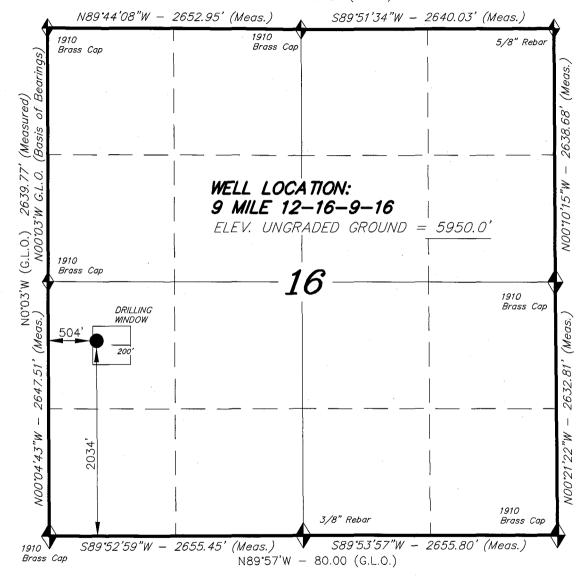
4	STATE OF UTA						
DIVISIO	N OF OIL, GAS	ANI	D MINING				5. LEASE DESIGNATION AND SERIAL NO. ML-16532
40011045101150							6. IF INDIAN, ALLOTTEE OR TRIBE NAME
APPLICATION FO	R PERMIT TO	DRII	LL, DEEPEN				N/A
1a. TYPE OF WORK  1b. TYPE OF WELL	x DEE	PEN					7. UNIT AGREEMENT NAME  N/A
			SINGLE	MULTI	PLE	_	8. FARM OR LEASE NAME
OIL X GAS	ОТНЕ	R	ZONE X	ZONE		<u> </u>	N/A
2. NAME OF OPERATOR  Newfield Production Co	ammans:		, ,				9. WELL NO. State #12-16-9-16
3. ADDRESS AND TELEPHONE NUM		-					10. FIELD AND POOL OR WILDCAT
Route #3 Box 3630, My	ton, UT 84052		Phone	e: (43	5) 646-3721		Monument Butte
4. LOCATION OF WELL (FOOTA At Surface NW/S	SW 2034' FSL 5	04' F	WL and	•	,		11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
At proposed Producing Zone 5'	74121×	4	10.02140	^			NW/SW
	14311434		-110,13131	<i>y</i>			Sec. 16, T9S, R16E
14. DISTANCE IN MILES AND DIRECT Approximately 22.4 mil							12. County 13. STATE  Duchesne UT
15 DISTANCE FROM PROPOSED* LO			16. NO. OF ACRES IN LEASE		17. NO. OF ACRES	ASSIGNE	<u> </u>
OR LEASE LINE, FT.(Also to neares	. , ,,						
504' f/lse line and NA' f			640.00		40 20, ROTARY OR C		01.5
DRILLING, COMPLETED, OR APP	LIED FOR ON THIS LEASE, F						
Approximately 14			6500'		Rotai	т —	
21. ELEVATIONS (Show whether DF, R 5950' GL	T, GR, etc.)						OX. DATE WORK WILL START*  uarter 2008
	CASING AND C	EMI	ENTING PROG	RAN	1	1131 Q	uarter 2000
SIZE OF HOLE	SIZE OF CASING	WEIGHT/F	POOT	CETTING	G DEPTH	OHANTI	TY OF CEMENT
12 1/4	8 5/8	24#		390	400	<del></del>	x +/- 10%
7 7/8	5 1/2	15.5#		TD			x lead followed by 450 sx tail
						See D	etail Below
*The actual cement volu  SURFACE PIPE - 155 s  Weigi  LONG STRING - Lead:	nd true vertical depths. Give to the many will be calculated as Class G Cement + ht: 15.8 PPG Y	olowout protection of the control of	reventer program, if any.  ff of the open hole  %, w/ 2% CaCl2 & 1  1.17 Cu Ft/sk H2  + 3lbs/sk BA-90 + 3	logs, p /4#/sk 2O Red	Cello-flake q: 5 gal/sk	ess:	osal is to drill or deepen directionally, give pertinent data on $Flake+2\ lbs/sk\ Kol\ Seal+$
	Bentonite + .5% Soc			O Da	a. 21.04 as1/	'ale	
weig	ht: 11.0 PPG Y	ELD.	3.43 Cu Ft/sk HZ	20 Rei	q: 21.04 gal/	3K	
					ello Flake + 2 eq: 7.88 gal/s		ntonite + .3% Sodium Metasilicate
24. Name & Signature  Mandie Cre	lie Crozin	2	Title: Regulatory	Specia	ılist	Date:	11/19/2007
(This space for State use only)							
API Number Assigned:	13-013-3389	12	APPROVAL:			•	
Approve Utah Div	d by the		· · · · · · · · · · · · · · · · · · ·				
Oil, Gas a			*See Instruction	ıs On	Reverse Si	ide	RECEIVED
Date: 0(-7	24188						NOV 2 9 2007

DIV. OF OIL, GAS & MINING

### T9S, R16E, S.L.B.&M.

 $N89^{50}W - 80.24$  (G.L.O.)



= SECTION CORNERS LOCATED

BASIS OF ELEV; U.S.G.S. 7-1/2 min QUAD (MYTON SE) 9 MILE 12-16-9-16 (Surface Location) NAD 83 LATITUDE = 40° 01' 45.11" LONGITUDE = 110° 07' 55.06"

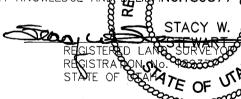
### NEWFIELD PRODUCTION COMPANY

WELL LOCATION, 9 MILE 12-16-9-16, LOCATED AS SHOWN IN THE NW 1/4 SW 1/4 OF SECTION 16, T9S, R16E, S.L.B.&M. DUCHESNE COUNTY, UTAH.



N00'02'W (G.L.O.)

THIS IS TO CERTIFY THAT THE ABOVE PEON WAS PREPARED FROM FIELD WORKS OF ACTUME SURVEYS MADE BY ME OR UNDER ANY SUPPRISON AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OMY KNOWLEDGE AND FELIEF. No. 189377



### TRI STATE LAND SURVEYING & CONSULTING

180 NORTH VERNAL AVE. - VERNAL, UTAH 84078 (435) 781-2501

(100)	
DATE SURVEYED: 10-11-07	SURVEYED BY: C.M.
DATE DRAWN: 11-02-07	DRAWN BY: F.T.M.
REVISED:	SCALE: 1" = 1000'

### NEWFIELD PRODUCTION COMPANY STATE #12-16-9-16 NW/SW SECTION 16, T9S, R16E DUCHESNE COUNTY, UTAH

#### TEN POINT DRILLING PROGRAM

### 1. **GEOLOGIC SURFACE FORMATION:**

Uinta formation of Upper Eocene Age

### 2. <u>ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:</u>

 Uinta
 0 – 1700'

 Green River
 1700'

 Wasatch
 6500'

### 3. ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS:

Green River Formation 1700' - 6500' - Oil

### 4. **PROPOSED CASING PROGRAM:**

400

Surface Casing: 8-5/8" J-55 24# w/ST&C collars; set at 290" (New)
Production Casing:5-1/2" J-55, 15.5# w/LT&C collars; set at TD (New or used, inspected).

### 5. MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:

The operator's minimum specifications for pressure control equipment are as follows:

An 8" Double Ram Hydraulic unit with a closing unit will be utilized. Function test of BOP's will be check daily.

Refer to Exhibit C for a diagram of BOP equipment that will be used on this well.

#### 6. TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:

A fresh water/polymer system will be utilized to drill the well. If necessary, to control formation fluids, the system will be weighted with the addition of bentonite gel, and if conditions warrant, barite. This fresh water system typically will contain Total Dissolved Solids (TDS) of less than 3000 PPM. Neither potassium chloride nor chromates will be utilized in the fluid system. The anticipated mud weight is 8.4 ppg and weighted as necessary for gas control.

### **AIR DRILLING**

In the event that the proposed location is to be "Air Drilled", Newfield requests a variance to regulations requiring a straight run blooie line. Newfield proposes that the flowline will contain two (2) 90-degree turns. Newfield also requests a variance to regulations requiring an automatic igniter or continuous pilot light on the blooie line. Newfield requests authorization to ignite as needed, and the flowline at 80'.

Newfield Production Company requests that the spark arrest, exhaust, or water cooled exhaust be waived under the Special Drilling Operations of Onshore Order #2.

Ten Point Well Program
Thirteen Point Well Program
Page 2 of 7

**MUD PROGRAM** 

**MUD TYPE** 

Surface – 3200' 3200' – TD' fresh water system fresh water system

From surface to TD, a fresh water system will be utilized. Clay inhibition and hole stability will be achieved with a KCL substitute additive. This fresh water system will typically contain Total Dissolved Solids (TDS) of less than 3000 PPM. Anticipated mud weight is 8.4 lbs/gal. If necessary to control formation fluids or pressure, the system will be weighted with the addition of bentonite gel, and if pressure conditions warrant, with barite. No chromate additives will be used in the mud system.

### 7. **AUXILIARY SAFETY EQUIPMENT TO BE USED:**

Auxiliary safety equipment will be a Kelly Cock, bit float, and a TIW valve with drill pipe threads.

### 8. <u>TESTING, LOGGING AND CORING PROGRAMS</u>:

400

The logging program will consist of a Dual Induction, Gamma Ray and Caliper log from TD to base of surface casing @ 290° +/-, and a Compensated Neutron-Formation Density Log from TD to 3500° +-. A cement bond log will be run from PBTD to cement top. No drill stem testing or coring is planned for this well.

### 9. ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:

The anticipated maximum bottom hole pressure is 1800 psi. It is not anticipated that abnormal temperatures will be encountered; or that any other abnormal hazards such as H2S will be encountered in this area.

### 10. ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:

It is anticipated that the drilling operations will commence the first quarter of 2008, and take approximately seven (7) days from spud to rig release.

### NEWFIELD PRODUCTION COMPANY STATE #12-16-9-16 NW/SW SECTION 16, T9S, R16E DUCHESNE COUNTY, UTAH

### THIRTEEN POINT SURFACE PROGRAM

### 1. EXISTING ROADS

See attached Topographic Map "A"

To reach Newfield Production Company well location site State #12-16-9-16 located in the NW¼ SW¼ Section 16, T9S, R16E, S.L.B. & M., Duchesne County, Utah:

Proceed in a southwesterly direction out of Myton, Utah along Highway 40 approximately 1.4 miles to the junction of this highway and Utah State Highway 53; proceed southerly along Utah State Highway 53 approximately 1.7 miles to its junction with an existing road to the southwest; proceed southwesterly approximately 9.7 miles to its junction with an existing road to the southeast; proceed southeasterly approximately 0.3 miles to its junction with an existing road to the northeast; proceed northeasterly approximately 5.1 miles to its junction with and existing road to the southwest; proceed southwesterly approximately 1.8 miles to its junction with an existing road to the northwest; proceed in a northwesterly direction approximately 1.4 miles to its junction with the beginning of the proposed access road to the south; proceed southwesterly along the proposed access road approximately 4,380°; turn and proceed in a westerly direction along the proposed access road approximately 890° to the proposed well location.

The highways mentioned in the foregoing paragraph are bituminous surfaced roads to the point where Highway 216 exists to the South, thereafter the roads are constructed with existing materials and gravel. The highways are maintained by Utah State road crews. All other roads are maintained by County crews.

The aforementioned dirt oil field service roads and other roads in the vicinity are constructed out of existing native materials that are prevalent to the existing area they are located in and range from clays to a sandy-clay shale material.

The roads for access during the drilling, completion and production phase will be maintained at the standards required by the State of Utah, or other controlling agencies. This maintenance will consist of some minor grader work for smoothing road surfaces and for snow removal.

### 2. PLANNED ACCESS ROAD

Approximately 5,270' of access road is proposed. See attached Topographic Map "B".

The proposed access road will be an 18' crown road (9' either side of the centerline) with drainage ditches along either side of the proposed road whether it is deemed necessary in order to handle any run-off from normal meteorological conditions that are prevalent to this area. The maximum grade will be less than 8%.

There will be no culverts required along this access road. There will be barrow ditches and turnouts as needed along this road.

There are no fences encountered along this proposed road. There will be no new gates or cattle guards required.

All construction material for this access road will be borrowed material accumulated during construction of the access road.

### 3. LOCATION OF EXISTING WELLS

Refer to EXHIBIT B.

### 4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES

There are no existing facilities that will be used by this well.

It is anticipated that this well will be a producing oil well.

Upon construction of a tank battery, the well pad will be surrounded by a dike of sufficient capacity to contain at minimum 110% of the largest tank volume within the facility battery.

Tank batteries will be built to State specifications.

All permanent (on site for six (6) months or longer) structures, constructed or installed (including pumping units), will be painted Desert Tan. All facilities will be painted within six months of installation.

### 5. LOCATION AND TYPE OF WATER SUPPLY

Fresh water purchased from the Johnson Water District will be used for drilling. A temporary poly pipeline may be used for water transportation from our existing supply line from Johnson Water District, or trucked from Newfield Production Company's injection facilities – **EXHIBIT A**.

There will be no water well drilled at this site.

### 6. SOURCE OF CONSTRUCTION MATERIALS

All construction material for this location shall be borrowed material accumulated during construction of the location site and access road.

A mineral material application is not required for this location.

### 7. METHODS FOR HANDLING WASTE DISPOSAL

A small reserve pit (90' x 40' x 8' deep, or less) will be constructed from native soil and clay materials. The reserve pit will receive the processed drill cutting (wet sand, shale & rock) removed from the wellbore. Any drilling fluids, which do accumulate in the pit as a result of shale-shaker carryover, cleaning of the sand trap, etc., will be promptly reclaimed. All drilling fluids will be fresh water based, typically containing Total Dissolved Solids of less than 3000 PPM. No potassium chloride, chromates, trash, debris, nor any other substance deemed hazardous will be placed in this pit. Therefore, it is proposed that no synthetic liner be required in the reserve pit. However, if upon constructing the pit there is insufficient fine clay and silt present, a liner will be used for the purpose of reducing water loss through percolation.

Newfield requests approval that a flare pit not be constructed or utilized on this location.

A portable toilet will be provided for human waste.

A trash basket will be provided for garbage (trash) and hauled away to an approved disposal site at the completion of the drilling activities.

Immediately upon first production, all produced water will be confined to a steel storage tank. If the production water meets quality guidelines, it is transported to the Ashley, Monument Butte, Jonah, and Beluga water injection facilities by company or contract trucks. Subsequently, the produced water is injected into approved Class II wells to enhance Newfield's secondary recovery project.

Water not meeting quality criteria, is disposed at Newfield's Pariette #4 disposal well (Sec. 7, T9S R19E) or at State of Utah approved surface disposal facilities.

### 8. **ANCILLARY FACILITIES:**

There are no ancillary facilities planned for at the present time and none foreseen in the near future.

### 9. WELL SITE LAYOUT:

See attached Location Layout Sheet.

### **Fencing Requirements**

All pits will be fenced according to the following minimum standards:

- a) A 39-inch net wire shall be used with at least one strand of barbed wire on top of the net.
- b) The net wire shall be no more than two (2) inches above the ground. The barbed wire shall be three (3) inches above the net wire. Total height of the fence shall be at least forty-two (42) inches.
- c) Corner posts shall be centered and/or braced in such a manner to keep tight at all times
- d) Standard steel, wood or pipe posts shall be used between the corner braces. Maximum distance between any two posts shall be no greater than sixteen (16) feet.
- e) All wire shall be stretched, by using a stretching device, before it is attached to the corner posts.

The reserve pit fencing will be on three (3) sides during drilling operations and on the fourth side when the rig moves off location. Pits will be fenced and maintained until cleanup.

### 10. PLANS FOR RESTORATION OF SURFACE:

### a) Producing Location

Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, equipment, debris, material, trash and junk not required for production.

The reserve pit and that portion of the location not needed for production facilities/operations will be recontoured to the approximated natural contours. Weather permitting, the reserve pit will be reclaimed within one hundred twenty (120) days from the date of well completion. Before any dirt work takes place, the reserve pit must have all fluids and hydrocarbons removed.

### b) Dry Hole Abandoned Location

At such time as the well is plugged and abandoned, the operator shall submit a subsequent report of abandonment and the State of Utah will attach the appropriate surface rehabilitation conditions of approval.

### 11. SURFACE OWNERSHIP: State of Utah

### 12. **OTHER ADDITIONAL INFORMATION:**

- a) Newfield Production Company is responsible for informing all persons in the area who are associated with this project that they will be subject to prosecution for knowingly disturbing historic or archaeological sites, or for collecting artifacts. If historic or archaeological materials are uncovered during construction, Newfield is to immediately stop work that might further disturb such materials and contact the Authorized Officer.
- b) Newfield Production will control noxious weeds along rights-of-way for roads, pipelines, well sites or other applicable facilities. On State administered land it is required that a Pesticide Use Proposal shall be submitted and given approval prior to the application of herbicides or other possible hazardous chemicals.
- c) Drilling rigs and/or equipment used during drilling operations on this well site will not be stacked or stored on State Lands after the conclusion of drilling operations or at any other time without State authorization. However, if State authorization is obtained, it is only a temporary measure to allow time to make arrangements for permanent storage on commercial facilities.

The Archaeological Cultural Resource Survey Report is attached. Refer to Exhibit "D".

### Additional Surface Stipulations

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws and regulations, Onshore Oil and Gas Orders, the approved plan of operations and any applicable Notice to Lessees. A copy of these conditions will be furnished to the field representative to ensure compliance.

### **Hazardous Material Declaration**

Newfield Production Company guarantees that during the drilling and completion of the State 12-16-9-16, Newfield will not use, produce, store, transport or dispose 10,000# annually of any of the hazardous chemicals contained in the Environmental Protection Agency's consolidated list of chemicals subject to reporting under Title III Superfund Amendments and Reauthorization Act (SARA) of 1986. Newfield also guarantees that during the drilling and completion of the State 12-16-9-16 Newfield will use, produce, store, transport or dispose less than the threshold planning quantity (T.P.Q.) of any extremely hazardous substances as defined in 40 CFR 355.

A complete copy of the approved APD, if applicable, shall be on location during the construction of the location and drilling activities.

Newfield Production Company or a contractor employed by Newfield Production shall contact the State office at (801) 722-3417, 48 hours prior to construction activities.

The State office shall be notified upon site completion prior to moving on the drilling rig.

### 13. LESSEE'S OR OPERATOR'S REPRENSENTATIVE AND CERTIFICATION:

### Representative

Name:

Dave Allred

Address:

Newfield Production Company

Route 3, Box 3630

Myton, UT 84052

Telephone:

(435) 646-3721

### Certification

Please be advised that Newfield Production Company is considered to be the operator of well #12-16-9-16, NW/SW Section 16, T9S, R16E, LEASE #ML-16532, Duchesne County, Utah and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by Hartford Accident #4471291.

I hereby certify that the proposed drill site and access route have been inspected, and I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will be performed by Newfield Production Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of the 18 U.S.C. 1001 for the filing of a false statement.

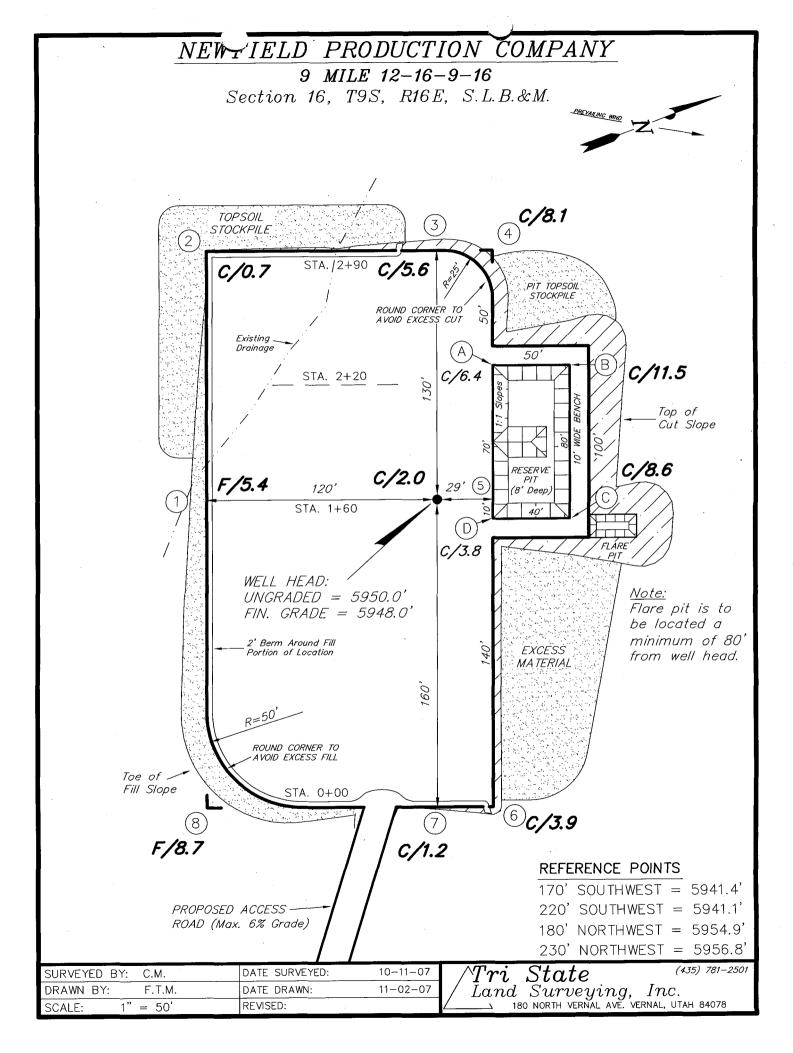
11/19/07

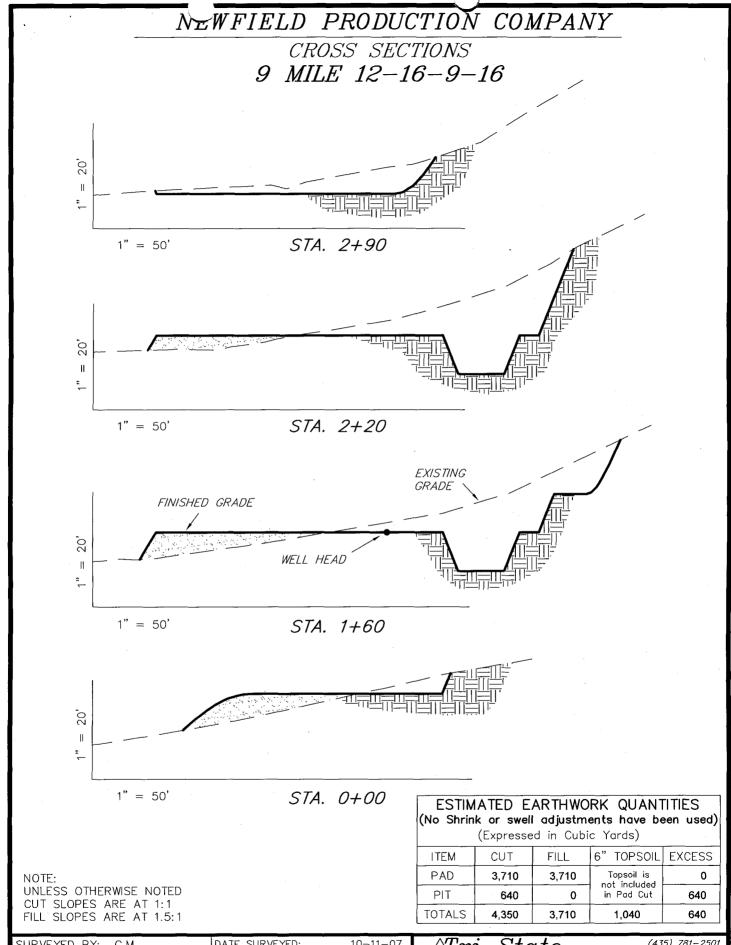
Date

Mandie Crozier

Regulatory Specialist

Newfield Production Company





SURVEYED BY: C.M.	DATE SURVEYED:	10-11-07	$\wedge Tri$ $State$ (435) 781-2501
DRAWN BY: F.T.M.	DATE DRAWN:	11-02-07	/ Land Surveying, Inc.
SCALE: $1" = 50'$	REVISED:		180 NORTH VERNAL AVE. VERNAL, UTAH 84078

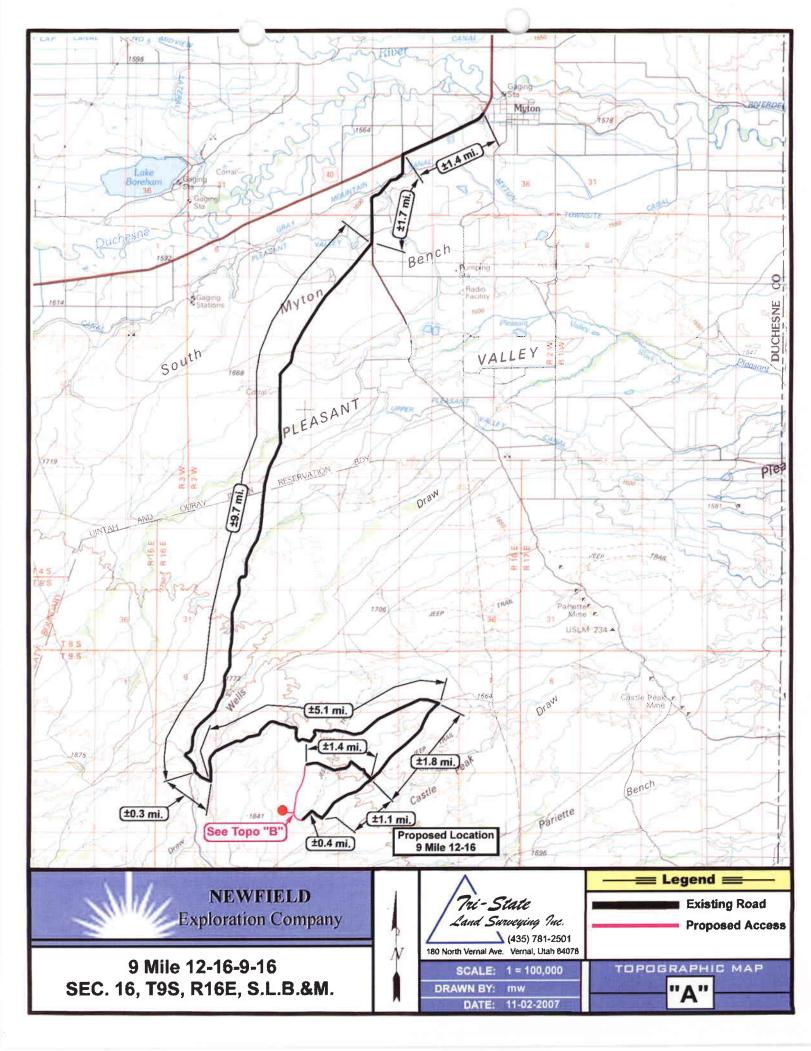
### NEWFIELD PRODUCTION COMPANY TYPICAL RIG LAYOUT 9 MILE 12-16-9-16 Emergency fuel shut down STORAGE TANK Light Plant MUD PUMP PUMP 50' TOILET TANK DOG HOUSE WATER TANK BASE PARTS HOUSE MOE TRAILERS RIG RESERVE PIT (8' Deep) 120' FLARE PIPE RACKS 222 CATWALK PIPE RACKS 140 160, DATA PROPOSED ACCESS ROAD (Max. 6% Grade)

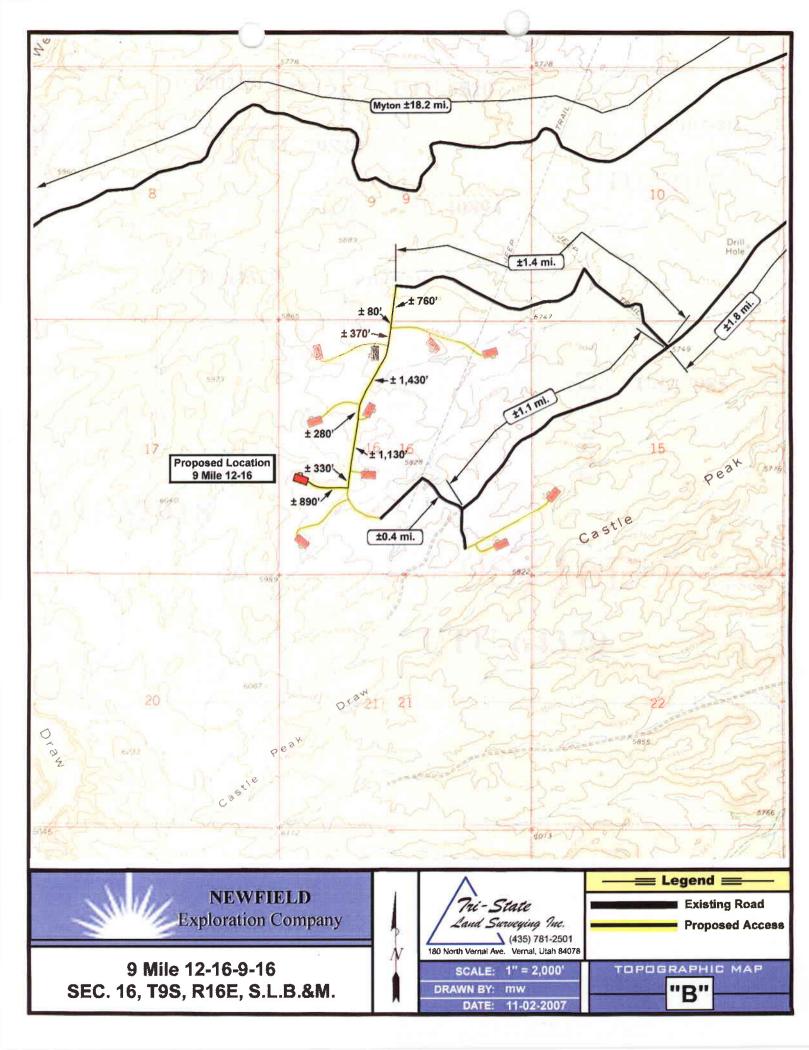
 SURVEYED BY:
 C.M.
 DATE SURVEYED:
 10-11-07

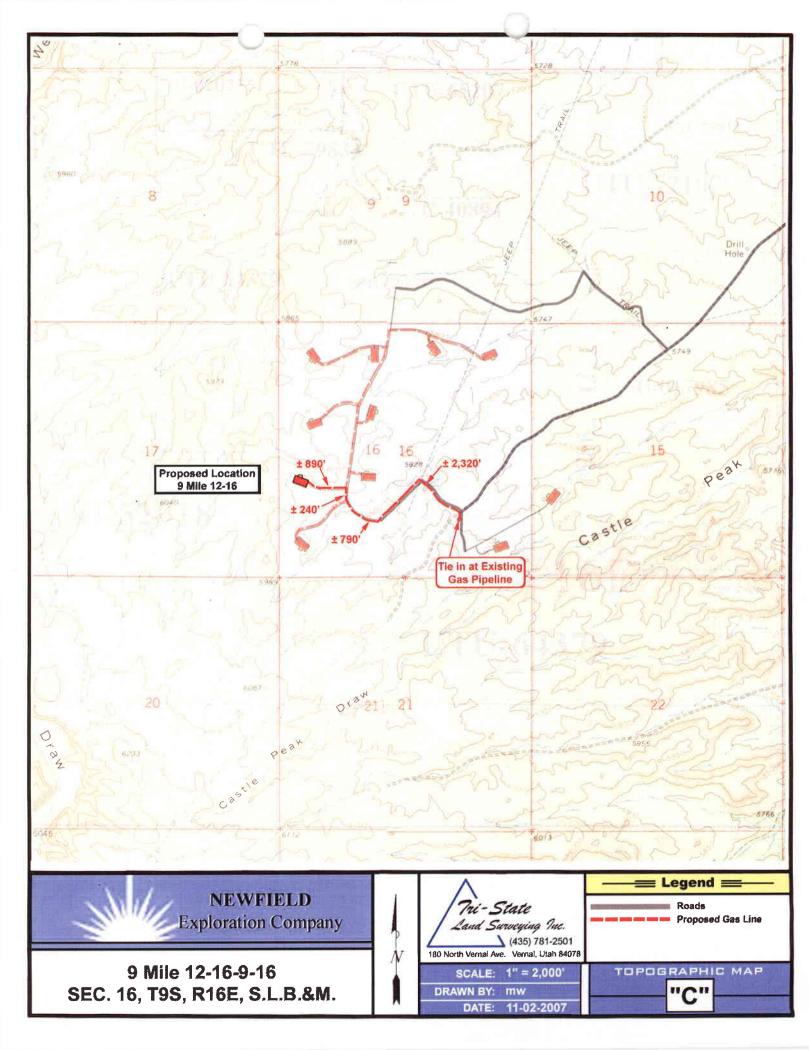
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 F.T.M.
 DATE DRAWN:
 11-02-07

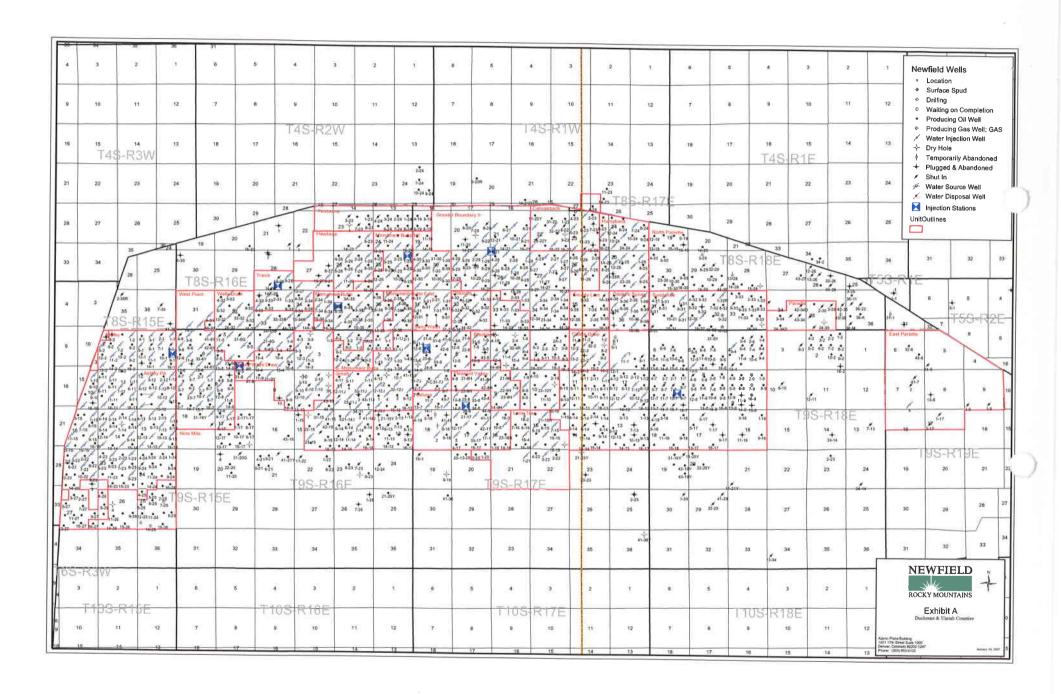
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 1" = 50'
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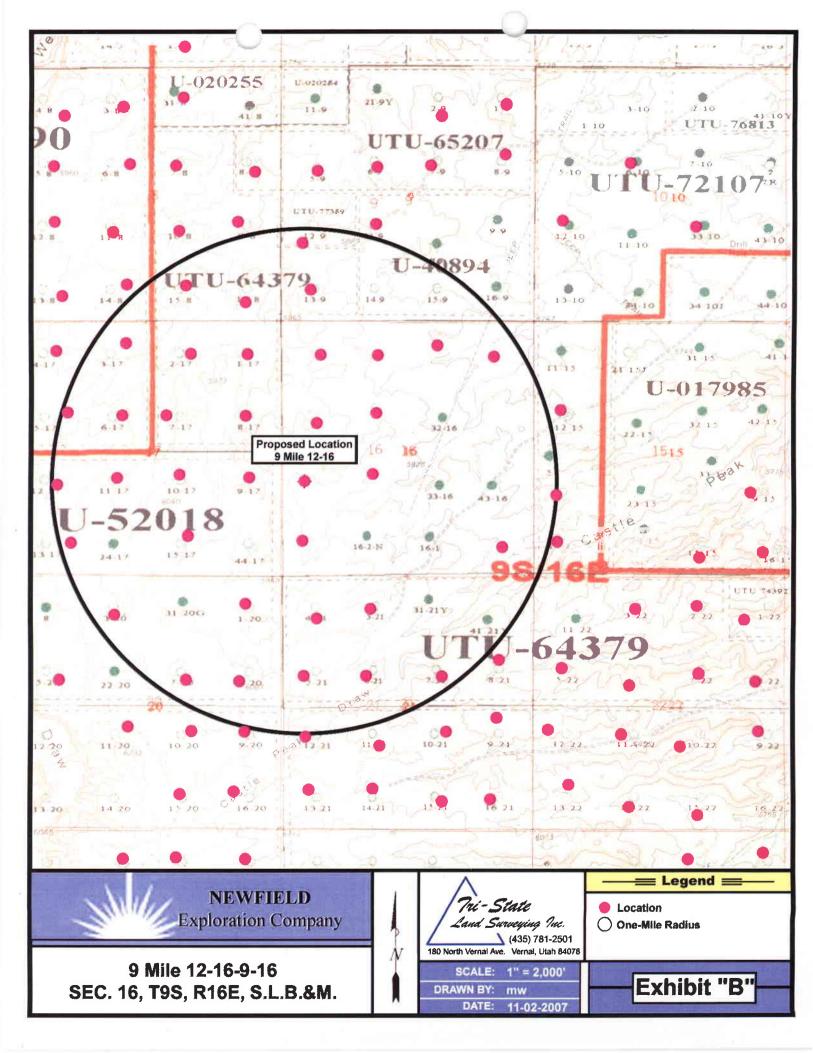
ackslash Tri~State (4.35) 781–2501 Land~Surveying,~Inc.180 North Vernal ave. Vernal, Utah 84078





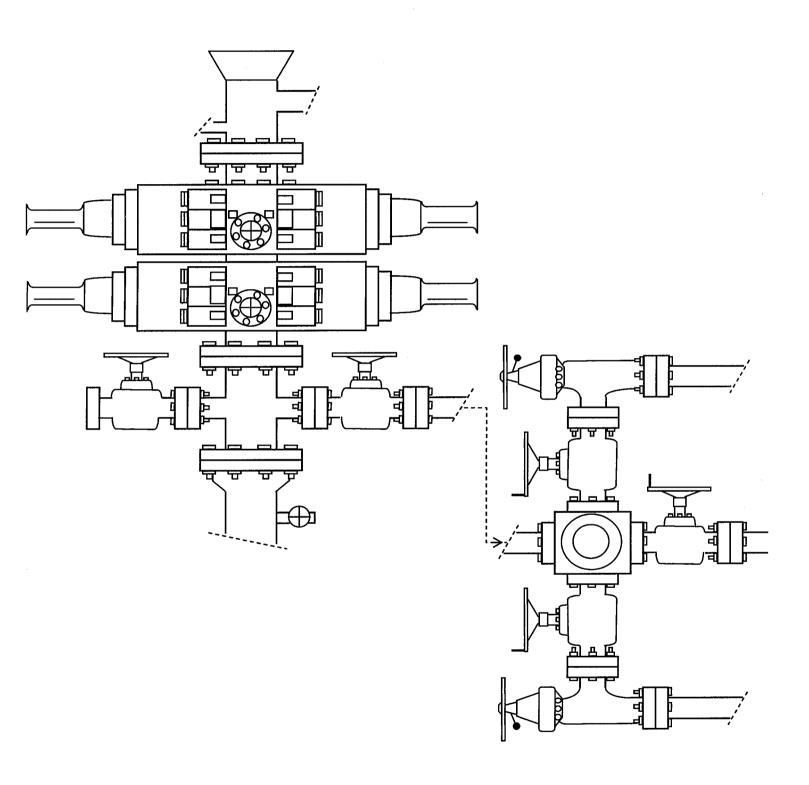






### 2-M SYSTEM

Blowout Prevention Equipment Systems



**EXHIBIT C** 

Exhibit 'D'

### CULTURAL RESOURCE INVENTORY OF NEWFIELD EXPLORATION'S TEN 40 ACRE PARCELS IN TOWNSHIP 9S, RANGE 16E, SECTION 16 DUCHESNE COUNTY, UTAH

By:

Jacki A. Montgomery

Prepared For:

State of Utah
School & Institutional Trust Lands Administration
Salt Lake City

Prepared Under Contract With:

Newfield Exploration Company Rt. 3 Box 3630 Myton, UT 84052

Submitted By:

Keith R. Montgomery Montgomery Archaeological Consultants, Inc. P.O. Box 219 Moab, Utah 84532

MOAC Report No. 07-348

October 31, 2007

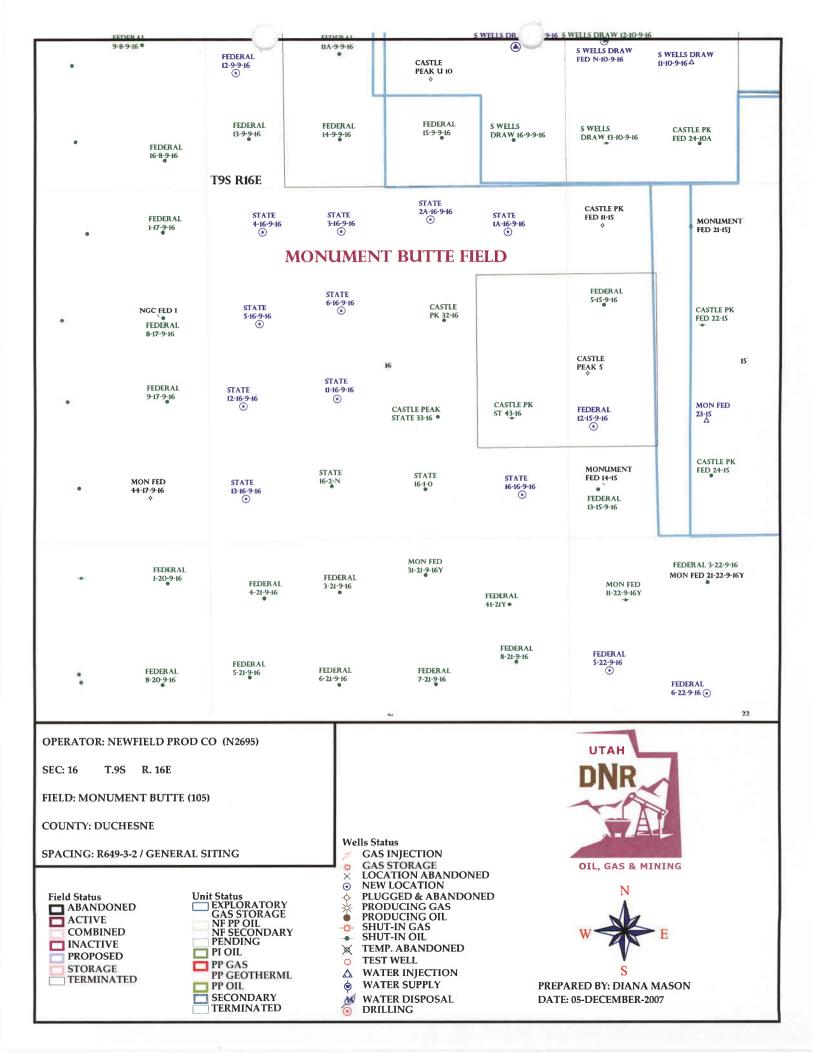
United States Department of Interior (FLPMA)
Permit No. 07-UT-60122

State of Utah Public Lands Policy Archaeological Survey Permit No. 117

State of Utah Antiquities Project (Survey) Permit No. U-07-MQ-1297s

## WORKSHEET —— APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 11/29/2007	API NO. ASSIGNED: 43-013-33852
WELL NAME: STATE 12-16-9-16  OPERATOR: NEWFIELD PRODUCTION ( N2695 )	PHONE NUMBER: 435-646-3721
CONTACT: MANDIE CROZIER	
PROPOSED LOCATION:	INSPECT LOCATN BY: / /
NWSW 16 090S 160E SURFACE: 2034 FSL 0504 FWL	Tech Review Initials Date
BOTTOM: 2034 FSL 0504 FWL	Engineering DRV) 1/24/08
COUNTY: DUCHESNE	Geology
LATITUDE: 40.02914 LONGITUDE: -110.1313  UTM SURF EASTINGS: 574121 NORTHINGS: 443114	3 Surface
FIELD NAME: MONUMENT BUTTE ( 105 )  LEASE TYPE: 3 - State  LEASE NUMBER: ML-16532  SURFACE OWNER: 3 - State	PROPOSED FORMATION: GRRV COALBED METHANE WELL? NO
Plat    Plat     Bond: Fed[] Ind[] Sta[] Fee[]     (No. B001834   )     Potash (Y/N)     N Oil Shale 190-5 (B) or 190-3 or 190-13     Water Permit (No. MUNICIPAL   )     RDCC Review (Y/N)     (Date:	LOCATION AND SITING:  R649-2-3.  Unit:  R649-3-2. General Siting: 460 From Qtr/Qtr & 920' Between Wells  R649-3-3. Exception  Drilling Unit Board Cause No: Eff Date: Siting:  R649-3-11. Directional Drill
STIPULATIONS:  1-1 Social Stip  2- Statement  3-Surface (sq.)	OF BASIS



### **Application for Permit to Drill** Statement of Basis

12/19/2007

Utah Division of Oil, Gas and Mining

Page 1

APD No

API WellNo

Status

Well Type OW

**Surf Ownr** 

**CBM** 

633

43-013-33852-00-00

Surface Owner-APD

S

No

NEWFIELD PRODUCTION COMPANY

Operator

Well Name STATE 12-16-9-16

Unit

Field

MONUMENT BUTTE

Type of Work

Location

NWSW 16 9S 16E S

2034 FSL 504 FWL GPS Coord (UTM) 574121E 4431143N

### Geologic Statement of Basis

Newfield proposes to set 290' of surface casing at this location. The depth to the base of the moderately saline water at this location is estimated to be at a depth of 2,900'. A search of Division of Water Rights records shows no water wells within a 10,000 foot radius of the center of Section 16. The surface formation at this site is the Uinta Formation. The Uinta Formation is made up of interbedded shales and sandstones. The sandstones are mostly lenticular and discontinuous and should not be a significant source of useable ground water. Production casing cement should be brought high enough to cover the estimated base of the moderately saline ground water.

**Brad Hill** 

12/19/2007

**APD** Evaluator

Date / Time

### **Surface Statement of Basis**

The general area is approximately 22 miles southwest of Myton, Utah in the upper Castle Peak area. Castle Peak Draw runs in a northeasterly direction about 14 miles and joins Pariette Draw. Pariette Draw continues in a southeasterly direction about 6 miles and joins the Green River about 6 miles below Ouray Utah. Pariette Draw contains a perennial stream somewhat consisting of irrigation runoff and seepage. No streams springs or seeps occur in the area. An occasional pond constructed to store runoff for livestock or wildlife exists. Drainages are ephemeral only flowing during spring snowmelt or following intense summer rainstorms. Broad flats or rolling topography intersected by drainages with gentle to moderate side-slopes characterize the area. Access to the area from Myton, Utah is following State of Utah Hwy. 40 and Duchesne County and oilfield development roads a distance of 22.4 miles. New construction of 0.4 miles of new road will be required.

The proposed State #12-16-9-16 oil well location is in rolling terrain on the south slope of a rocky hill. The reserve pit cuts into the side hill with the location extending south onto a gently sloping bottom. A ridge with sandstone ledge outcrops is located east of the location and a small drainage to the south. One swale intersects the south west corner of the proposed pad and needs to be diverted around the location. The selected site poses no apparent surface concerns and appears to be a good location for constructing a pad, drilling and operating a well. The area was covered with about 10 inches of snow during the evaluation. Both the surface and minerals are owned by SITLA.

Daniel Emmett representing the Utah Division of Wildlife Resources stated the area is classified as substantial value sage grouse brooding habitat and crucial yearlong antelope habitat. He ask Mr. Allred of Newfield and Mr. Davis of SITLA that they try to schedule construction and drilling around the critical period of March 1 to June 15th for sagegrouse brooding. No restrictions for the antelope were requested. No other wildlife are expected to be significantly affected. Mr. Emmett gave Mr. Allred of Newfield Production Company and Mr. Davis of SITLA a copy of his evaluation and also a seed mix recommendation to be used when the reserve pit and location are reclaimed.

Floyd Bartlett **Onsite Evaluator**  12/13/2007

Date / Time

# **Application for Permit to Drill Statement of Basis**

12/19/2007

### **Utah Division of Oil, Gas and Mining**

Page 2

Conditions of	Approval /	<b>Application</b>	n for P	ermit to D	<u>rill</u>
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Category	Condition
Pits	A synthetic liner with a minimum thickness of 16 mils with a felt subliner shall be properly installed and maintained in the reserve pit.
Surface	Drainages adjacent to the proposed pad shall be diverted around the location.
Surface	The reserve pit shall be fenced upon completion of drilling operations.

### ON-SITE PREDRILL EVALUATION

### Utah Division of Oil, Gas and Mining

**Operator** NEWFIELD PRODUCTION COMPANY

Well Name STATE 12-16-9-16

API Number 43-013-33852-0 APD No 633 Field/Unit MONUMENT BUTTE

Location: 1/4,1/4 NWSW Sec 16 Tw 9S Rng 16E 2034 FSL 504 FWL

GPS Coord (UTM) 574125 4431152 Surface Owner

### **Participants**

Floyd Bartlett (DOGM), David Allred (Newfield Production Company), Cory Miller (Tri-state Land Surveying), Jim Davis (SITLA), Daniel Emmett (Utah Division of Wildlife Resources).

### Regional/Local Setting & Topography

The general area is approximately 22 miles southwest of Myton, Utah in the upper Castle Peak area. Castle Peak Draw runs in a northeasterly direction about 14 miles and joins Pariette Draw. Pariette Draw continues in a southeasterly direction about 6 miles and joins the Green River about 6 miles below Ouray Utah. Pariette Draw contains a perennial stream somewhat consisting of irrigation runoff and seepage. No streams springs or seeps occur in the area. An occasional pond constructed to store runoff for livestock or wildlife exists. Drainages are ephemeral only flowing during spring snowmelt or following intense summer rainstorms. Broad flats or rolling topography intersected by drainages with gentle to moderate side-slopes characterize the area. Access to the area from Myton, Utah is following State of Utah Hwy. 40 and Duchesne County and oilfield development roads a distance of 22.4 miles. New construction of 0.4 miles of new road will be required.

The proposed State #12-16-9-16 oil well location is in rolling terrain on the south slope of a rocky hill. The reserve pit cuts into the side hill with the location extending south onto a gently sloping bottom. A ridge with sandstone ledge outcrops is located east of the location and a small drainage to the south. One swale intersects the south west corner of the proposed pad and needs to be diverted around the location. The selected site poses no apparent surface concerns and appears to be a good location for constructing a pad, drilling and operating a well. The area was covered with about 10 inches of snow during the evaluation. Both the surface and minerals are owned by SITLA.

### Surface Use Plan

**Current Surface Use** 

Grazing

Recreational

Wildlfe Habitat

**New Road** 

Miles Well Pad Src Const Material Surface Formation

0.5 Width 199 Length 290 Onsite UNTA

Ancillary Facilities N

### Waste Management Plan Adequate?

### **Environmental Parameters**

Affected Floodplains and/or Wetland N

### Flora / Fauna

Area was covered with snow. Vegetation is a Deseret shrub type. Identified or expected vegetation consisted of black sagebrush, shadscale, greasewood,mustard weed, horsebrush, broom snakeweed, and spring annuals.

Cattle, prairie dogs, antelope, small mammals and birds. Golden eagle have been sited in the general area.

### Soil Type and Characteristics

Moderately deep sandy clay loam with some surface rock.

Erosion Issues N

Sedimentation Issues N

Site Stability Issues N

### Drainage Diverson Required Y

. One swale intersects the south west corner of the proposed pad and needs to be diverted around the location.

Berm Required? N

Erosion Sedimentation Control Required? N

Paleo Survey Run? Y Paleo Potental Observed? N Cultural Survey Run? Y Cultural Resources? N

#### **Reserve Pit**

Site-Specific Factors		Site I	Ranking	
Distance to Groundwater (feet)	>200		0	
Distance to Surface Water (feet)	>1000		0	
Dist. Nearest Municipal Well (ft)	>5280		0	
Distance to Other Wells (feet)	300 to 1320		10	
Native Soil Type	Mod permeability		10	
Fluid Type	Fresh Water		5	
<b>Drill Cuttings</b>	Normal Rock		0	
<b>Annual Precipitation (inches)</b>	<10		0	
Affected Populations	<10		0	
Presence Nearby Utility Conduits	Not Present		0	
		Final Score	25	1 Sensitivity Level

### Characteristics / Requirements

A 40' x70' x 8' deep reserve pit is planned in an area of cut on the northwest side of the location. A pit liner is required. Newfield commonly uses a 16 mil liner.

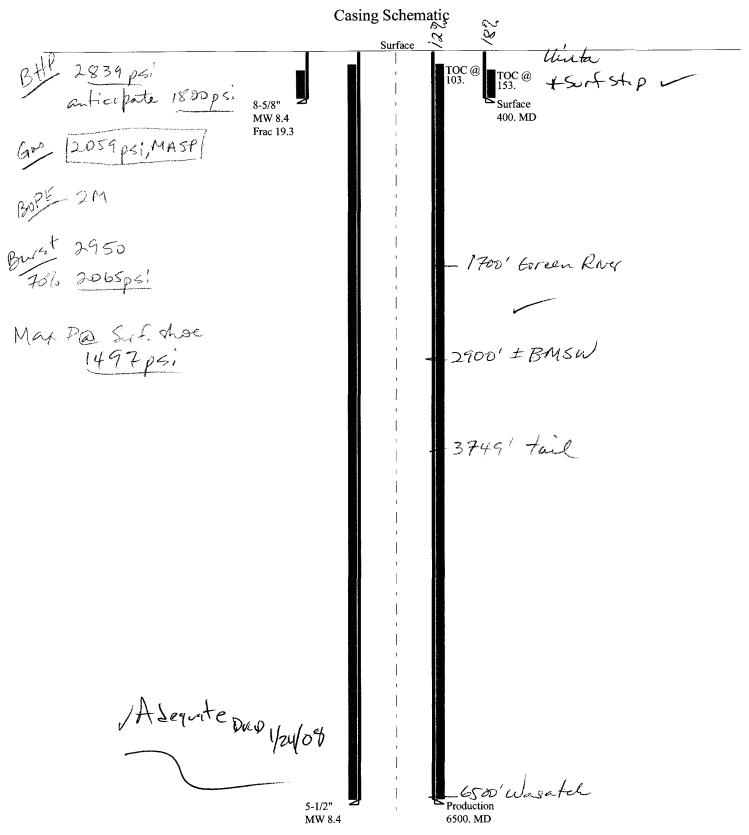
Closed Loop Mud Required? N Liner Required? Y Liner Thickness 16 Pit Underlayment Required? Y

### Other Observations / Comments

ATV's used to reach site. Site under 10 inches of snow.

Floyd Bartlett 12/13/2007 **Evaluator Date / Time** 

### 2008-01 Newfield State 12-16-9-16



### **BOPE REVIEW**

Well	Name
------	------

Newfield State 12-16-9-16 API# 43-013-33852

INPUT				
Well Name	Newfield State 12-	16-9-16 API# 43-013	-33852	
	String 1	String 2	String 3	String 4
Casing Size (")	20	13 3/8	1	
Setting Depth (TVD)	400	6500		
Previous Shoe Setting Depth (TVD)	C	400	(	0 0
Max Mud Weight (ppg)	8.4	8.4		
BOPE Proposed (psi)	C	2000		
Casing Internal Yield (psi)	2950	4810		

Calculations	String 1	20	91		
Max BHP [psi]	OFOXCOHIOS Doubt************************************	475	7		
wax bnP [psi]	.052*Setting Depth*MW =	175			
			BOPE Adec	quate For Drilling And Setting Casing at Depth?	
MASP (Gas) [psi]	Max BHP-(0.12*Setting Depth) =	127	NO NO		
MASP (Gas/Mud) [psi]	Max BHP-(0.22*Setting Depth) =	87		No expected press @ Sctolepth	
			*Can Full E	xpected Pressure Be Held At Previous Shoe?	
Pressure At Previous Shoe	Max BHP22*(Setting Depth - Previous Shoe Depth) =	87			
Required Casing/BOPE Tes	t Pressure	400	) psi		
*Max Pressure Allowed @ P	revious Casing Shoe =		) psi	*Assumes 1psi/ft frac gradient	

Calculations	String 2	13 3/8 "		
Max BHP [psi]	.052*Setting Depth*MW =	2839		
		B	OPE Adequate For Drilling And Setting Casi	ng at Depth?
MASP (Gas) [psi]	Max BHP-(0.12*Setting Depth) =	2059	NO	
MASP (Gas/Mud) [psi]	Max BHP-(0.22*Setting Depth) =	1409	YES V	
		*C	an Full Expected Pressure Be Held At Previ	ous Shoe?
Pressure At Previous Shoe	Max BHP22*(Setting Depth - Previous Shoe Depth) =	1497	(NO)	
Required Casing/BOPE Test		2000 ps	si /	
*Max Pressure Allowed @ Pr	revious Casing Shoe =	400 ps		ent

2008-01 Newfield State 12-16-9-16 Well name:

**Newfield Production Company** Operator:

Surface String type: Project ID: 43-013-33852

**Duchesne County** Location:

**Environment:** Design parameters: Minimum design factors:

**Collapse** Mud weight: 8.400 ppg Design is based on evacuated pipe.

Collapse: H2S considered? No Surface temperature: 75 °F Design factor 1.125 Bottom hole temperature: 81 °F

1.40 °F/100ft Temperature gradient: 290 ft

Minimum section length:

**Burst:** Design factor 1.00 Cement top: 153 ft

**Burst** 

Max anticipated surface

pressure: 352 psi Internal gradient: 0.120 psi/ft

Calculated BHP 400 psi

No backup mud specified.

**Tension:** 

8 Round STC: 1.80 (J) 1.80 (J) 8 Round LTC: **Buttress:** 1.60 (J) Premium: 1.50 (J)

Body yield: 1.50 (B)

Tension is based on buoyed weight. Neutral point: 349 ft

Non-directional string.

Re subsequent strings: Next setting depth: 6,500 ft Next mud weight: 8.400 ppg Next setting BHP: 2,836 psi

Fracture mud wt: 19.250 ppg 400 ft Fracture depth: Injection pressure: 400 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	400	8.625	24.00	J-55	ST&C	400	400	7.972	143
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	175	``1370	7.851	`40Ó	`2950	7.38	` 8 ´	` 244	29.09 J

Prepared Helen Sadik-Macdonald by: Div of Oil, Gas & Minerals Phone: 801-538-5357 FAX: 801-359-3940

Date: January 11,2008 Salt Lake City, Utah

Collapse is based on a vertical depth of 400 ft, a mud weight of 8.4 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Well name:

2008-01 Newfield State 12-16-9-16

Operator:

**Newfield Production Company** 

String type:

Production

Project ID:

43-013-33852

Location:

**Duchesne County** 

Minimum design factors: **Environment:** 

1.80 (J)

1.80 (J) 1.60 (J)

Collapse

**Design parameters:** 

Mud weight: 8.400 ppg Design is based on evacuated pipe.

Collapse:

Design factor 1.125 H2S considered?

No Surface temperature: 75 °F 166 °F Bottom hole temperature:

1.40 °F/100ft Temperature gradient:

Minimum section length: 1,500 ft

**Burst:** 

Design factor

1.00 Cement top: 103 ft

**Burst** 

Max anticipated surface

pressure: Internal gradient: Calculated BHP

1,406 psi 0.220 psi/ft 2,836 psi

No backup mud specified.

**Tension:** 

8 Round STC: 8 Round LTC: Buttress:

Premium:

1.50 (J) Body yield: 1.50 (B)

Tension is based on buoyed weight. Neutral point: 5.674 ft

Non-directional string.

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)	
1	6500	5.5	15.50	J-55	LT&C	6500	6500	4.825	868.6	
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor	
1	2836	4040	1.424	2836	`4810	1.70	88	`217	2.47 J	

Prepared

Helen Sadik-Macdonald

Div of Oil, Gas & Minerals

Phone: 801-538-5357 FAX: 801-359-3940

Date: January 11,2008 Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 6500 ft, a mud weight of 8.4 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

From:

Ed Bonner

To:

Mason, Diana

Date:

1/8/2008 12:05 PM

Subject:

Well Clearance

CC:

Davis, Jim; Garrison, LaVonne; Hill, Brad; Jarvis, Dan

The following wells have been given cultural resources clearance by the Trust Lands Cultural Resources Group:

### ConocoPhillips Company

Utah 29-574D (API 43 015 30735)

### EOG Resources, Inc

CWU 956-32 (API 43 047 39515)

### Kerr McGee Oil & Gas Onshore LP

NBU 1021-2N (API 43 047 38840)

### **Newfield Production Company**

Wells Draw Fed C-5-9-16 (API 43 013 33753)

State 1A-16-9-16 (API 43 013 33845)

State 2A-16-9-16 (API 43 013 33846)

State 3-16-9-16 (API 43 013 33847)

State 4-16-9-16 (API 43 013 33848)

State 5-16-9-16 (API 43 013 33849)

State 6-16-9-16 (API 43 013 33850)

State 12-16-9-16 (API 43 013 33852)

State 13-16-9-16 (API 43 013 33853)

State 16-16-9-16 (API 43 013 33854)

#### Pioneer Natural Resources USA, Inc.

Main Canyon State 12-16-15-23 (API 43 047 39695)

Main Canyon State 34-21-15-23 (API 43 047 39696)

Horse Point State 34-10-16-23 (API 43 019 31558)

Horse Point State 41-1-16-23 (API 43 019 31599)

Grand Canyon State 23-35-15.5-23 (API 43 019 31560)

If you have any questions regarding this matter please give me a call.

Helen Sadik-Macdonald - Newfield wells "Hans Wychgram" From: To: Date: 01/09/2008 3:52 PM Subject: Newfield wells "Brad Mecham", "Mandie Crozier" CC: Helen, As per our conversation this afternoon, Newfield agrees to set 400' of surface casing on the following wells: State 3-16-9-16 State 4-16-9-16 State 5-16-9-16 State 6-16-9-16 State 11-16-9-16 State 12-16-9-16 State 13-16-9-16 State 16-16-9-16 Gilsonite L-32-8-17 Monument Butte F-36-8-16 Also, we discussed setting 300' of 20" conductor casing on the following deep gas wells: Beluga 16T-5-9-17 Monument Butte 4-36T-8-16

Thanks,

Hans Wychgram



# State of Utah DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil Gas and Mining

JOHN R. BAZA
Division Director

January 24, 2008

Newfield Production Company Rt. #3, Box 3630 Myton, UT 84052

Re:

State 12-16-9-16 Well, 2034' FSL, 504' FWL, NW SW, Sec. 16, T. 9 South, R. 16 East,

Duchesne County, Utah

### Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann.§ 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-013-33852.

Sincerely,

Gil Hunt

Associate Director

pab Enclosures

cc:

**Duchesne County Assessor** 

**SITLA** 



Operator:	Newfield Production Company					
Well Name & Number	State 12-16-9-16					
API Number:	43-013-33852					
Lease:	ML-16532					

Location: <u>NW SW</u>

**Sec.** 16

**T.** 9 South

**R.** 16 East

### **Conditions of Approval**

### 1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

### 2. Notification Requirements

The operator is required to notify the Division of Oil, Gas and Mining of the following action during drilling of this well:

- 24 hours prior to cementing or testing casing contact Dan Jarvis
- 24 hours prior to testing blowout prevention equipment contact Dan Jarvis
- 24 hours prior to spudding the well contact Carol Daniels
- Within 24 hours of any emergency changes made to the approved drilling program contact Dustin Doucet
- Prior to commencing operations to plug and abandon the well contact Dan Jarvis

The operator is required to get approval from the Division of Oil, Gas and Mining before performing any of the following actions during the drilling of this well:

- Plugging and abandonment or significant plug back of this well contact Dustin Doucet
- Any changes to the approved drilling plan contact Dustin Doucet

The following are Division of Oil, Gas and Mining contacts and their telephone numbers (please leave a voice mail message if the person is not available to take the call):

• Dan Jarvis at:

(801) 538-5338 office

(801) 942-0873 home

• Carol Daniels at:

(801) 538-5284 office

Dustin Doucet at:

(801) 538-5281 office

(801) 733-0983 home

### 3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

- 4. Compliance with the State of Utah Antiquities Act forbids disturbance of archeological. historical, or paleontological remains. Should archeological, historical or paleontological remains be encountered during your operations, you are required to immediately suspend all operations and immediately inform the Trust Lands Administration and the Division of State History of the discovery of such remains.
- 5. Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis. (Copy Attached)
- 6. This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.
- 7. Surface casing shall be cemented to the surface.

### STATE OF UTAH

		mic				
	DIVISION OF OIL, GAS, AND MIN	5. LEASE DESIGNATION AND SERIAL NO. ML-16532				
SUNDRY	Y NOTICES AND REPORT	6. IF INDIAN, ALLOTTEE OR TRIBAL NAME				
	drill new wells, deepen existing wells, or to reenter	N/A				
OIL GAS WELL X OT	HER		7. UNIT AGREEMENT NAME  NA			
2. NAME OF OPERATOR NEWFIEL	D PRODUCTION COMPANY	****	8. WELL NAME and NUMBER  STATE 12-1	6-9-16		
Rt. 3 Box 363 435-646-3721	30, Myton Utah 84052	-	9 API NUMBER 43-013-33852	2		
4. LOCATION OF WELL			10 FIELD AND POOL, OR WILDO	CAT		
Footages	2034 FSL 504 FWL		MONUMEN	T BUTTE		
QQ, SEC, T, R, M:	NW/SW Section 16, T9S R	16E	COUNTY DUCHESNE			
CHECK APPD	OPRIATE BOXES TO INDICATE NATURE O	F NOTICE. REPORT OR OTH	STATE UTAH ER DATA			
	E OF INTENT:		ENT REPORT OF:			
<b>—</b>	bmit in Duplicate)	`	nit Original Form Only)	A TEXAL CONTEMPLICATION		
ABANDON	NEW CONSTRUCTION	ABANDON*  REPAIR CASIN	С	NEW CONSTRUCTION  PULL OR ALTER CASING		
REPAIR CASING	PULL OR ALTER CASING	CHANGE OF PL	_	RECOMPLETE		
CHANGE OF PLANS	RECOMPLETE					
CONVERT TO INJECTION	REPERFORATE	CONVERT TO I		REPERFORATE		
FRACTURE TREAT OR ACIDIZE	VENT OR FLARE	FRACTURE TREA	T OR ACIDIZE	VENT OR FLARE		
MULTIPLE COMPLETION	WATER SHUT OFF	OTHER				
X OTHER APD Change		DATE WORK COMP		An Affragus		
			iple Completion and Recompletions COMPLETION OR RECOMPLETI			
10 DESCRIPE PROPOSED OR (	COMPLETED OPERATIONS. (Clearly state all per	*Must be accompanies	s by a cement verification report.	give subsurface locations		
and measured and true vertical	depth for all markers and zones pertinent to this wor	rk.				
Newfeild Product APD. Surface Casing w	tion requests the following cha	anges be made the di	rilling program on th	e above mentioned approved		
Surface Casing w	III 00 301 (a) 25 0 .					
13.	110.			0.101.0000		
NAME & SIGNATURE : Mandi	e Crozier TIT	Regulatory Specia	list DATE_	3/7/2008		
(This space for State use only)						
4/94	* See Instruction	ns On Reverse Side				
PPROVED BY	THE STATE	OEN/F	:D	COPY SENT TO OPERATOR		
OF LITAH DIV	JISION OF	RECEIVE	-	Date: 3.19.2008		
OIL, GAS, A)	ID, MINING	MAR 1 2 20	)08	1		
3/14/	(A) (A)	i lathau	_	Initials: KS		

DIV. OF OIL, GAS & MINING

### **DIVISION OF OIL, GAS AND MINING**

### **SPUDDING INFORMATION**

Name of Co	mpany: N	NEWFIELD PRODUCTION COMPANY						
Well Name:		STA	TE 12-1	<u>6-9-16</u>				
Api No: 43-013-338		52		Lease Type:_		STATE		
Section 1	6 Township_	09S	_Range_	16E	County_	DUCHESNE		
Drilling Cor	ntractor	ROSS	DRILL	ING		RIG # <b>24</b>		
SPUDDE	:D:							
	Date	04/17	/08	_				
	Time	8:00 A	AM	_				
	How	DRY		****				
Drilling w	ill Commenc	e:						
Reported by		JIN	<u>A SMITI</u>	H				
Telephone #		(43	5) 823-20	072				
Date	04/17/08	Si	igned	CHI	D			

ACTION

OPERATOR: NEWFIELD PRODUCTION COMPANY

ADDRESS: RT. 3 BOX 3630

MYTON, UT 84052

OPERATOR ACCT. NO.

N2695

Date

ACTION	CURRENT	NEW	API NUMBER	I STANDE	<del></del>						
CODE	ENTITY (NO.	ENTITY NO.	PITTOMOLIC	WELL NAME	- Ga	1 8C	WELL	LOCATION Reg	DOWNTY	grup	EFFECTIVE
Α	99999	16808	4301333852	STATE 12-16-9-16	NWSW	16		16E	DUCHESNE	AM TIONG	W/ACI/M
WELL 10	OMMENTS:	RU			1111011	'-	- 55	IVE	JUGGHESINE	4/17/2008	17/28/08
		100								•	
ACTION CODE	GURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME			LL LOCA			SPUÐ	EFFECTIVE
A	99999	16809	4304736298	FEDERAL 1-3-9-18	OQ NEME	SC S	TP	RG.	COUNTY	DATE	DATE
•	CP	APA I	,	1 EDEIVAE 1-3-3-10	NENE	3	9\$	18E	UINTAH	4/18/2008	14/28/08
	GN	100									
ACTION CODE	CURRENT ENTITY NO.	MENV ENTITY NO.	API NUMBER	Well Nave	00	80	WELL	LOCATION		SPUD	<b>BFFECTIVE</b>
					<del>                                     </del>	- 00		RG	COURTY	DATE	
<u> </u>	<b>999</b> 99	14844	4304734423	SUNDANCE FED 3-0-9-18	NEWW	- 6	-\$3	IOE	UNTAL	4/13/2000	
ACTION	CURRENT										
CODE	ENTITY NO.	NEW ENTITY NO.	api number	WELL NAME				OCATION		SPUD	EFFECTIVE
					0.2	\$c	TP.	R3	CONVIA	DATE	DATE
ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY ND	API NUMBER	WELL NAME			WELL L	OCATION		SPUD	
	LITTIE I I I I	EMILITADO.			QQ	6Ç	TP	RG	YTHUOO	DATE	EFFECTIVE DATE
	OMARNTS:										
METT 2 C	OMMEN'I S'										
ACTION	CURRENT	NEW	API NUMBER	WELL HAVE							
CODE	ENTIFY NO.	ENTITY NO.		WELL NAME	90	8C	WELL	OCATION RG	OOUNTY	6PUD	EFFECTIVE
								100	COUNTY	DATE	DATE
WELL 5 CO	DW/ENTS.				<u> </u>						
										$\bigcirc$	İ
ACTION O	ODES (See instructions on back new entity for new ws:0 (single v	k of form) red only)							<del></del>	//	
B - 14	eral do codažinų mility (graup or s	inii weli)			/C				1 KM/D	MI	
	om ane existing entity to excite will from one existing entity to a			RECE	ハドフ			-	Signature	001	Jentri Park
	er (explain in comments section	-		APR 2				, 1	roduction Cjerk		04/10/08
MOVEL LIS	- 001414515			APR 2	ד בטטט			1 -	1 1		VW IVIUO

## The state of the s

	STATE OF UTAH								
	DEPARTMENT OF NATURAL R DIVISION OF OIL, GAS AN				EASE DESIGNATION AND SERIAL NUMBER: AH STATE ML-16532				
SUNDRY	SUNDRY NOTICES AND REPORTS ON WELLS								
Do not use this form for proposals to dr wells, or to drill horizon	7. U	NIT or CA AGREEMENT NAME:							
1. TYPE OF WELL: OIL WELL	1	ELL NAME and NUMBER: ATE 12-16-9-16							
2. NAME OF OPERATOR:	9. A	PI NUMBER:							
NEWFIELD PRODUCTION COM	MPANY			430	1333852				
	3. ADDRESS OF OPERATOR: PHONE NUMBER								
Route 3 Box 3630  4. LOCATION OF WELL:	CITY Myton STATE UT	ZIP 84052	435.646.3721	MO	NUMENT BUTTE				
FOOTAGES AT SURFACE: 2034 FSL:	504 FWL			COU	INTY: DUCHESNE				
OTR/OTR. SECTION. TOWNSHIP. RANGE.	MERIDIAN: NWSW, 16, T9S, R16E			STA	TTE: UT				
11. CHECK APPRO	PRIATE BOXES TO INDICATE	E NATURE O	F NOTICE, REPO	RT,	OR OTHER DATA				
TYPE OF SUBMISSION		TYF	PE OF ACTION						
	ACIDIZE	DEEPEN			REPERFORATE CURRENT FORMATION				
NOTICE OF INTENT (Submit in Duplicate)	ALTER CASING	FRACTURE TR	REAT	П	SIDETRACK TO REPAIR WELL				
Approximate date work will	CASING REPAIR	NEW CONSTR		〒	TEMPORARITLY ABANDON				
Approximate date work will	CHANGE TO PREVIOUS PLANS	OPERATOR CH		님	TUBING REPAIR				
	15			님	'				
	CHANGE TUBING	PLUG AND AE	BANDON	므	VENT OR FLAIR				
SUBSEOUENT REPORT (Submit Original Form Only)	CHANGE WELL NAME	PLUG BACK		Ш	WATER DISPOSAL				
Date of Work Completion:	CHANGE WELL STATUS	PRODUCTION	(START/STOP)		WATER SHUT-OFF				
Date of Work Completion.	COMMINGLE PRODUCING FORMATIONS	RECLAMATIO	ON OF WELL SITE	X	OTHER: - Spud Notice				
04/25/2008	CONVERT WELL TYPE	RECOMPLETE	- DIFFERENT FORMATION						
On 4/17/08 MIRU Ross # 2	MPLETED OPERATIONS. Clearly show a MPLETED OPERATIONS. Clearly show a 24.Spud well @ 8:00am. Drill 315' of nent with 160 sks of class "G" w/ 3% o pit. WOC.	12 1/4" hole wi	th air mist. TIH W/ 7 J	lt's 8	5/8" J-55 24 # csgn. Set @				
NAME (PLEASE PRINT) Don Bastian		тт	TLE Drilling Foreman						

**美利用行为** 

Allentite.

(This space for State use only)

RECEIVED

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04/25/2008

### NEWFIELD PRODUCTION COMPANY - CASING & CEMENT REPORT

		·	8 5/8	CASING SE	TAT	323.7	<del>-</del>			
LAST CASI		" SET	AT 32 <u>3.70'</u>				NewField	Production	Company	
	CUT OFF C	ASINO			<del></del>	State 12-1		. D. 44 -		
		EAD FLANGE	=	<del>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</del>		TOR & RIG #	<u>Monumen</u>		124	
			ER	<del></del>	CONTRACT	IOR & RIG #	•	Ross Rig #	+24	
HOLE SIZE										
TOLL OILL										
LOG OF CA	SING STRIN	NG:					· · · · · · · · · · · · · · · · · · ·		****	
PIECES	OD	ITEM -	MAKE - DESC	RIPTION	WT/FT	GRD	THREAD	CONDT	LENGTH	
									****	
		Shoe	Joint 44.10'							
		WHI - 92 cs	g head				8rd	Α	0.95	
77	8 5/8"	Maverick S	Γ&C csg		24#	J-55	8rd	Α	311.85	
			GUIDE	shoe			8rd	Α	0.9	
CASING IN\	/ENTORY B	AL.	FEET	JTS	TOTAL LENGTH OF STRING					
TOTAL LEN	GTH OF ST	RING	313.7	7	LESS CUT OFF PIECE					
LESS NON	CSG. ITEMS		1.85		PLUS DATUM TO T/CUT OFF CSG					
PLUS FULL	JTS. LEFT (	DUT	0		CASING SE	T DEPTH			323.7	
	TOTAL		311.85	7	]1					
TOTAL CSG	. DEL. (W/O	THRDS)	311.85	7	COMPAR	RE				
TIMING			1ST STAGE							
BEGIN RUN	CSG.	Spud	8:00 AM	4/17/2008	GOOD CIRC	THRU JOB		Yes		
CSG. IN HO	LE		3:00 PM	4/17/2008	Bbls CMT CI	RC TO SUR	FACE	3		
BEGIN CIRC	,		11:57 AM	4/24/2008	RECIPROCA	ATED PIPE F	OR	THRU	FT STROKE	
BEGIN PUM	PCMT		12:05 PM	4/24/2008				NA		
BEGIN DSPL	····		12:15 PM		BUMPED PL	UG TO	200		PSI	
PLUG DOWN		1	12:21 PM	4/24/2008						
CEMENT US	ED			CEMENT CO	MPANY-	B. J.				
	# SX			CEMENT TYP						
1	160	Class "G" w/	2% CaCL2 + 1	/4#/sk Cello-F	lake mixed @	15.8 ppg 1.	17 cf/sk yield			
								·		
		<u> </u>		· <del>····································</del>	<del> </del>	· · · · · · · · · · · · · · · · · · ·				
		TCHER PLAC		-		SHOW MAK	E & SPACIN	3		
Sentralizers	- Middle fii	st, top seco	nd & third for	3	·····		***************************************			
			1400	***************************************						

DATE <u>4/24/2008</u>

COMPANY REPRESENTATIVE Don Bastian

	MUDWEYN !!		-Keileb	中不分類子科的	And Mainers	-Kanisa Janoneka
)		DEPARTMEN'	E <b>OF UTAH</b> T OF NATURAL F OIL, GAS A			5. LEASE DESIGNATION AND SERIAL NUMBER
	CYTAIR	<del></del>				UTAH STATE ML-16532  6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
	SUNDR	Y NOTICES	AND REP	ORTS ON	WELLS	
Do	not use this form for proposals to d wells, or to drill horizon	drill new wells, significantly atal laterals. Use APPLICA				7. UNIT or CA AGREEMENT NAME:
l, TYP	PE OF WELL: OIL WELL	GAS WELL	OTHER			8. WELL NAME and NUMBER: STATE 12-16-9-16
2. NAM	ME OF OPERATOR:	0.10 (1222)			<del></del>	9. API NUMBER:
	WFIELD PRODUCTION CO	MPANY				4301333852
	DRESS OF OPERATOR: ate 3 Box 3630	CITY Myton	STATE UT	ZIP 84052	PHONE NUMBER 435.646,3721	10. FIELD AND POOL, OR WILDCAT:
	ATION OF WELL:	CHY MIYLON	SIAIB OI	ZIP 04032	433.040.3721	MONUMENT BUTTE
FOO	TAGES AT SURFACE: 2034 FSL	504 FWL				COUNTY: DUCHESNE
OTR	VOTR. SECTION. TOWNSHIP. RANG	e. meridian: NWSW,	16, T9S, R16E			STATE: UT
11.	CHECK APPRO	PRIATE BOXES	S TO INDICA	TE NATURE	OF NOTICE, REP	PORT, OR OTHER DATA
TY	PE OF SUBMISSION			TY	TE OF ACTION	
	NOTICE OF INTENT	ACIDIZE		DEEPEN		REPERFORATE CURRENT FORMATION
	(Submit in Duplicate)	ALTER CASING		FRACTURE	TREAT	SIDETRACK TO REPAIR WELL
,	Approximate date work will	CASING REPAIR		NEW CONST	RUCTION	TEMPORARITLY ABANDON
_		CHANGE TO PREVI	IOUS PLANS	OPERATOR	CHANGE	TUBING REPAIR
_		CHANGE TUBING		L PLUGAND		VENT OR FLAIR
	SUBSEOUENT REPORT (Submit Original Form Only)	CHANGE WELL NA		☐ PLUGBACK		WATER DISPOSAL
I	Date of Work Completion:	CHANGE WELL ST	ATUS DUCING FORMATIONS		N (START/STOP)	WATER SHUT-OFF
(	05/13/2008	CONVERT WELL TO		=	ION OF WELL SITE FE - DIFFERENT FORMATION	OTHER: - Weekly Status Report
	ESCRIBE PROPOSED OR CO	<u> </u>	<del></del>			
to Di & 11	o 1,500 psi. Vernal BLM f rill a 7.875 hole with fres TIH with Guide shoe, sh	ield, & Roosevelt D h water to a depth loe jt, float collar, 13 400 sks cement m	OGM office was of 5790'. Lay do 36 jt's of 5.5 J-55 ixed @ 14.4 ppg	notifed of test. wn drill string & 5, 15.5# csgn. S   & 1.24 yld. Ret	PU BHA and tag cer BHA. Open hole log et @ 5787' / KB. Ce urned 47 bbls of 50	, & Bop's to 2,000 psi. Test 8.625 cs ment @ 280'. Drill out cement & shoo w/ Dig/SP/GR log's TD to surface. F ment with 300 sks cement mixed @ bbls dyed water to reserve pit. Nipple
NAME (	(PLEASE PRINT) Ryan Crum				TITLE Drilling Foreman	

Robins Accelebones and anner

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-BOADEA JALODNEPARATOLOGIA

<b></b>	<del>-</del>								
STAGE	# SX	CEMENT TYPE & ADDITIVES							
1	300	Premlite II w/ 10% gel + 3 % KCL, 3#'s /sk CSE + 2# sk/kolseal + 1/2#s/sk Cello Flake							
		mixed @ 11.0 ppg W / 3.43 cf/sk yield							
2	400	50/50 poz W/ 2% Gel + 3% KCL, .5%EC1,1/4# sk C.F. 2% gel. 3% SM mixed @ 14.4 ppg W/ 1.24 YLD							
CENTRAL	IZER & SCR	ATCHER PLACEMENT	SHOW MAKE & SPACING						
Centralize	ers - Middle	first, top second & third. Then every	third collar for a total of 20.						
00111111111									
1									

COMPANY REPRESENTATIVE	Rvan Crum	DATE	5/13/2008
COMI ANT INEL INECENTATIVE			

,	STATE OF UTAH DEPARTMENT OF NATURAL RI		
	5. LEASE DESIGNATION AND SERIAL NUMBER: UTAH STATE ML-16532		
SUNDRY	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:		
Do not use this form for proposals to di wells, or to drill horizoni	7. UNIT or CA AGREEMENT NAME:		
1. TYPE OF WELL: OIL WELL	8. WELL NAME and NUMBER: STATE 12-16-9-16		
2. NAME OF OPERATOR:	9. API NUMBER:		
NEWFIELD PRODUCTION COM  3. ADDRESS OF OPERATOR:	MPANY		4301333852
Route 3 Box 3630	CITY Myton STATE UT	PHONE NUMBER 2IP 84052 435.646.3721	10. FIELD AND POOL, OR WILDCAT:
4. LOCATION OF WELL:	CIT MYTON STATE OT	ZIP 64032 433.040.3721	MONUMENT BUTTE
FOOTAGES AT SURFACE: 2034 FSL	504 FWL		COUNTY: DUCHESNE
OTR/OTR. SECTION. TOWNSHIP. RANGE	MERIDIAN: NWSW, 16, T9S, R16E		STATE: UT
11. CHECK APPRO	PRIATE BOXES TO INDICATE	E NATURE OF NOTICE, REPO	ORT, OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTION	
	ACIDIZE	DEEPEN	REPERFORATE CURRENT FORMATION
NOTICE OF INTENT (Submit in Duplicate)	ALTER CASING	FRACTURE TREAT	SIDETRACK TO REPAIR WELL
Approximate date work will	CASING REPAIR	NEW CONSTRUCTION	TEMPORARITLY ABANDON
	CHANGE TO PREVIOUS PLANS	OPERATOR CHANGE	TUBING REPAIR
<del></del>	CHANGE TUBING	PLUG AND ABANDON	VENT OR FLAIR
X SUBSEQUENT REPORT	CHANGE WELL NAME	☐ PLUG BACK	WATER DISPOSAL
(Submit Original Form Only)	CHANGE WELL STATUS	PRODUCTION (START/STOP)	
Date of Work Completion:	COMMINGLE PRODUCING FORMATIONS	=	WATER SHUT-OFF
07/08/2008		RECLAMATION OF WELL SITE	OTHER: - Weekly Status Report
	CONVERT WELL TYPE	RECOMPLETE - DIFFERENT FORMATION	
12. DESCRIBE PROPOSED OR CO	OMPLETED OPERATIONS. Clearly show a	ll pertinent details including dates, depths,	volumes, etc.
The above subject well wa	s completed on 06-10-08, attached is	s a daily completion status report.	

NAME (PLEASE PRINT) Jenty Park	TITLE Production Clerk
SIGNATURE MM	DATE 07/08/2008

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#### **Daily Activity Report**

Format For Sundry STATE 12-16-9-16 4/1/2008 To 8/30/2008

5/28/2008 Day: 1

Completion

Rigless on 5/27/2008 - Install 5M frac head. NU 6" 5M Cameron BOP. RU H/O truck & pressure test casing, blind rams, frac head & casing valves to 4500 psi. RU Perforators LLC WLT w/ mast & run CBL under pressure. WLTD @ 5714' & cement top @ 180'. Perforate stage #1. CP1 sds @ 5544- 74' w/ 3 1/8" slick guns (19 gram, .49" HE, 120°, 21.92" pen, EXP-3319-331 Titan) w/ 4 spf for total of 120 shots. 137 BWTR. SIFN.

6/3/2008 Day: 2

Completion

Rigless on 6/2/2008 - Stage #1 CP1 sds. RU BJ Services. 0 psi on well. Frac CP1 sds w/ 129,858#'s of 20/40 sand in 990 bbls of Lightning 17 fluid. Broke @ 2503 psi. Treated w/ ave pressure of 1557 psi w/ ave rate of 25.7 BPM. ISIP 1756 psi. Leave pressure on well. 1127 BWTR. Stage #2 LODC sds.RU The Perforators, IIc WLT, crane & Lubricator. RIH w/ Weatherford 5-1/2" 6K composite flow through frac plug & 8' perf gun. Set plug @ 5300'. Perforate LODC sds @ 5194-5202' w/ 3-1/8" Slick Guns (.49"EH, 19 gram, 120°) w/ 4 spf for total of 32 shots. RU BJ Services, 1238 psi on well. Frac LODC sds w/ 40,109#'s of 20/40 sand in 426 bbls of Lightning 17 fluid. Broke @ 2000 psi. Treated w/ ave pressure of 2182 psi w/ ave rate of 26.5 BPM. ISIP 2297 psi. Leave pressure on well. 1553 BWTR. Stage #3 A1 sds. RU The Perforators, Ilc WLT, crane & Lubricator. RIH w/ Weatherford 5-1/2" 6K composite flow through frac plug & 21' perf gun. Set plug @ 5140'. Perforate A1 sds @ 5046-67' w/ 3-1/8" Slick Guns (.49"EH, 19 gram, 120°) w/ 4 spf for total of 84 shots. RU BJ Services. 1954 psi on well. Perfs would not break. Dump bail acid (tagged sand @ 5035'). RU BJ Services. 1730 psi on well. Frac A1 sds w/ 140,344#'s of 20/40 sand in 1049 bbls of Lightning 17 fluid. Broke @ 3414 psi. Treated w/ ave pressure of 1990 psi w/ ave rate of 28.3 BPM. ISIP 2225 psi. Leave pressure on well. 2602 BWTR.Stage #4 B2 sds. RU The Perforators, Ilc WLT, crane & Lubricator. RIH w/ Weatherford 5-1/2" 6K composite flow through frac plug & 8' perf gun. Set plug @ 4970'. Perforate B2 sds @ 4902-10' w/ 3-1/8" Slick Guns (.49"EH, 19 gram, 120°) w/ 4 spf for total of 32 shots. RU BJ Services. 2000 psi on well. Perfs would not break. Dump bail acid (tagged sand @ 4885'). RU BJ Services. 1315 psi on well. Frac B2 sds w/ 48,476#'s of 20/40 sand in 464 bbls of Lightning 17 fluid. Broke @ 4046 psi. Treated w/ ave pressure of 1990 psi w/ ave rate of 26.2 BPM. ISIP 2071 psi. Leave pressure on well. 3066 BWTR. Stage #5 D2 sds.RU The Perforators, IIc WLT, crane & Lubricator. RIH w/ Weatherford 5-1/2" 6K composite flow through frac plug & 8' perf gun. Set plug @ 4800'. Perforate D2 sds @ 4902-10' w/ 3-1/8" Slick Guns (.49"EH, 19 gram, 120°) w/ 4 spf for total of 32 shots. RU BJ Services. 1275 psi on well. Frac D2 sds w/ 55,518#'s of 20/40 sand in 489 bbls of Lightning 17 fluid. Broke @ 3650 psi. Treated w/ ave pressure of 2128 psi w/ ave rate of 26.2 BPM. ISIP 2145 psi. Leave pressure on well. 3555 BWTR.Stage #6 GB4 sds. RU The Perforators, Ilc WLT, crane & Lubricator, RIH w/ Weatherford 5-1/2" 6K composite flow through frac plug & 8' perf gun. Set plug @ 4210'. Perforate GB4 sds @ 4116-24' w/ 3-1/8" Slick Guns (.49"EH, 19 gram, 120°) w/ 4 spf for total of 32 shots. RU BJ Services. 1895 psi on well. Frac GB4 sds w/ 22,357#'s of 20/40 sand in 326 bbls of Lightning 17 fluid. Broke @ 2630 psi. Treated w/ ave pressure of 2230 psi w/ ave rate of 24.0 BPM. ISIP 1880 psi. Leave pressure on well. 3881 BWTR.Stage #7 GB2 sds.RU The Perforators, IIc WLT, crane & Lubricator. RIH w/ Weatherford 5-1/2" 6K composite flow through frac plug & 7' perf gun. Set plug @ 4065'. Perforate GB2 sds

@ 4008-15' w/ 3-1/8" Slick Guns (.49"EH, 19 gram, 120°) w/ 4 spf for total of 28 shots. RU BJ Services. 1670 psi on well. Frac GB2 sds w/ 17,193#'s of 20/40 sand in 264 bbls of Lightning 17 fluid. Broke @ 2665 psi. Treated w/ ave pressure of 1778 psi w/ ave rate of 24.3 BPM. ISIP 1632 psi. Open well to pit for immediate flowback @ approx. 1 bpm. Well flowed for 5 hrs & died. Recovered 300 bbls. SWIFN.

6/4/2008 Day: 3

Completion

Leed #731 on 6/3/2008 - MIRU Leed #731. SWIFN.

6/5/2008 Day: 4

Completion

Leed #731 on 6/4/2008 - Bleed off well. Well flowed for 1 hrs & died. Recovered 40 bbls water. ND Cameron BOP & 5m frac head. NU 3m production head & Schafer BOP. RIH w/ 4 3/4" chomp bit, bit sub & 133 jts new 2 7/8" tbg. from pipe rack (tallying & drifting). Tag CBP @ 4065'. RU powerswivel & pump. SWIFN.

6/6/2008 Day: 5

Completion

Leed #731 on 6/5/2008 - RIH w/ tbg. Tag CBP @ 4065'. DU CBP in 10 min. Cont. RIH w/ tbg. Tag CBP @ 4210'. DU CBP in 15 min. Cont. RIH w/ tbg. Tag sand @ 4682'. C/O to CBP @ 4800'. DU CBP in 45 min. Cont. RIH w/ tbg. Tag sand @ 4930'. C/O to CBP @ 4970'. DU CBP in 15 min. Cont. RIH w/ tbg. Tag sand @ 5060'. C/O to CBP in 5140'. DU CBP in 15 min. Cont. RIH w/ tbg. Tag sand @ 5245'. C/O to CBP in 5300'. DU CBP in 10 min. Cont. RIH w/ tbg. Tag sand @ 5580'. LD 3 jts tbg. SWIFN.

6/7/2008 Day: 6

Completion

Leed #731 on 6/6/2008 - Bleed off well. RIH w/ tbg. Tag sand @ 5580'. C/O to PBTD @ 5766'. Circulate well clean. Pull up to 5673'. RIH w/ swab. SFL @ 100'. Made 23 runs. Recovered 310 bbls. Recovering a lot of sand. 50% oil cut. EFL @ 900'. RD swab. RIH w/ tbg. Tag sand @ 5719' (47' of new sand). C/O to PBTD @ 5766'. Pull up to 5673'. SWIFN.

6/10/2008 Day: 7

Completion

Leed #731 on 6/9/2008 - Open well to flattank. Recovered 30 bbls oil. Circulate well clean. POOH w/ tbg., stopping twice to circulate oil out of csg. LD BHA. RIH w/ 2 7/8" notched collar, 2 jts 2 7/8" tbg., PSN, 1 jt 2 7/8" tbg., 5 1/2" TAC, 180 jts 2 7/8" tbg. ND BOP. Set TAC @ 5543' w/ 16,000# tension. NU wellhead. SWIFN.

6/11/2008 Day: 8

Completion

Leed #731 on 6/10/2008 - Bleed off well. Flush tbg. w/ 60 bbls water. RIH w/ CDI  $2\,1/2"\times 1\,1/2"\times 18"$  RHAC pump, 6-  $1\,1/2"$  weight bars, 20- 3/4" guided rods, 97- 3/4" slick rods, 100- 3/4" guided rods, 1-  $2'\times 3/4"$  pony subs,  $1\,1/2"\times 26'$  polished rod. Seat pump. Stroke test to 800 psi. RU pumping unit. Hang off rods. PWOP @ 4:30~w/86" SL & 5 SPM. Final report.

Pertinent Files: Go to File List

4/94

#### STATE OF UTAH

D	IVISION OF OIL, GAS, AND MINING	6	LEASE DESIGNATION AND SERIAL NO.					
ı. SUNDRY	NOTICES AND REPORTS O	ML-16532 6. IF INDIAN, ALLOTTEE OR TRIBAL NAME						
	irill new wells, deepen existing wells, or to reenter plugge APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for	N/A						
OIL GAS WELL X OTH	ER	7. UNIT AGREEMENT NAME NA						
2. NAME OF OPERATOR NEWFIELI	D PRODUCTION COMPANY	8. WELL NAME and NUMBER STATE 12-16-9-16						
3. ADDRESS AND TELEPHONE Rt. 3 Box 3630 435-646-3721	NUMBER D, Myton Utah 84052		9 API NUMBER 43-013-33852					
4. LOCATION OF WELL			10 FIELD AND POOL, OR WILDCAT					
Footages	2034 FSL 504 FWL		MONUMENT BUTTE					
QQ, SEC, T, R, M:	NW/SW Section 16, T9S R16E	'	COUNTY DUCHESNE STATE UTAH					
11. CHECK APPRO	PRIATE BOXES TO INDICATE NATURE OF NOT	ICE, REPORT OR OTHE						
NOTICE	OF INTENT:	SUBSEQUE	NT REPORT OF:					
	mit in Duplicate)	(Submit	(Submit Original Form Only)					
ABANDON	NEW CONSTRUCTION	ABANDON*	NEW CONSTRUCTION					
REPAIR CASING	PULL OR ALTER CASING	REPAIR CASING	G PULL OR ALTER CASING					
CHANGE OF PLANS	RECOMPLETE	X CHANGE OF PLA	RECOMPLETE					
CONVERT TO INJECTION	REPERFORATE	CONVERT TO IN	CONVERT TO INJECTION REPERFORATE					
FRACTURE TREAT OR ACIDIZE	VENT OR FLARE	FRACTURE TREAT	RACTURE TREAT OR ACIDIZE VENT OR FLARE					
MULTIPLE COMPLETION	WATER SHUT OFF	OTHER						
OTHER		DATE WORK COMPL	LETED					
		Report results of Multip	ple Completion and Recompletions to different					
		reservoirs on WELL CO	WELL COMPLETION OR RECOMPLETION REPORT AND					
		LOG form.						
	MPLETED OPERATIONS. (Clearly state all pertinent of open for all markers and zones pertinent to this work.		by a cement verification report.  E. If well is directionally drilled, give subsurface locations					
surface casing that		vithin the Monun	ven to go ahead and set the planned 290' of nent Butte field by Newfield Production. well.					
13. NAME & SIGNATURE:	endicurin TITLE	Regulatory Specialis	st DATE 7/21/2008					
(This space for State use only)	Crozier							

\* See Instructions On Reverse Side

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DIV. OF OIL, GAS & MINING

#### **UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT**

(See other instructions ons reverse side)

SUBMIT IN DUPLICATE\* FORM APPROVED OMB NO. 1004-0137

Expires: February 28, 1995

5. LEASE DESIGNATION AND SERIAL NO.

ML-16532

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*										6. IF INDIAN, ALLOTTEE OR TRIBE NAME  NA		
1a. TYPE OF WORK				· · · · · · · · · · · · · · · · · · ·					7 IDIO ACRES CONT.	The second secon		
1a. THE OF WORK		OIL	Ū.	GAS	🗀				7. UNIT AGREEMENT			
		OIL WELL	<u> </u>	WELL	DRY	Other		<u> </u>		State		
1b. TYPE OF WELL												
,,,,,,,	work [	٦ .	<del>- 1</del>	NI NO CONTRACTOR					8. FARM OR LEASE NA	AME, WELL NO.		
NEW X	WORK OVER	DEEPEN		PLUG DIF		Other			State	12_16_0_16		
WELL OVER BACK RESVR. Other State 12-16-9-16 2. NAME OF OPERATOR 9. WELL NO.										12-10-3-10		
E. THE OF CIENTION		Ne	wfield Ex	ploration Com	nany					13-33852		
3. ADDRESS AND TELEPI	HONE NO.	110	WIICIG EX	pioration com	parry				10. FIELD AND POOL O			
		1401 17th	St. Suite	1000 Denver	r. CO 8	30202				ment Butte		
4. LOCATION OF WEL							· · · · · · · · · · · · · · · · · · ·		11. SEC., T., R., M., OR I			
At Surface	` .			f' FWL (NW/SW)					OR AREA			
At top prod. Interval rep	orted below								Sec. 16	, T9S, R16E		
•										, ,		
At total depth			14	API NO.		DATE ISSUED	<del></del>	*****	12. COUNTY OR PARISI	H 13. STATE		
. It total dopul			1.3	43-013-3385	52 I		1/24/08		Duchesne	UT		
15. DATE SPUDDED	16. DATE T.D.	REACHED	17 DATE	COMPL. (Ready to prod.)		18. ELEVATIONS (D		TC \*	Ducheshe	19. ELEV. CASINGHEAD		
04/17/08		/12/08	I'' DAIL	06-10-08		5950	' GI	10.)	5962' KB	19. ELEV. CASINGREAD		
20. TOTAL DEPTH, MD &		<del></del>	K T.D., MD & T		ULTIPLE C	<del></del>	23. INTERVALS	ROT	ARY TOOLS	CABLE TOOLS		
		2			V MANY*	Olini E.,	DRILLED BY	I KOI	AIRT TOOLS	I		
5790'		1	5766'	1			>		X			
24. PRODUCING INTERVA	AL(S) OF THIS	COMPLETION-		NAME (MD AND TVD)	))*	·				25. WAS DIRECTIONAL		
		5511011-	•		•	E71!				SURVEY MADE		
			G	reen River 4	008-5	5/4				No		
26. TYPE ELECTRIC AND	OTHER LOCK	DIDI				<del></del>		· · · · · · · · · · · · · · · · · · ·		27. WAS WELL CORED		
Dual Induction			neated D	ensity Compa	ancata	d Neutron C	P Calinar	Come	ent Rond Log	No		
	Guard, G	i , compe	ilisated D					Cente	ant bond Log	INO		
23. CASING SIZE/G	PADE	WEIGHT	ID /PT	CASING RECORD DEPTH SET (MD)	D (Report	HOLE SIZE		MENTE CE	MENTING RECORD	AMOUNT DULL ED		
8-5/8" - J	-55	24		324'		12-1/4"			sx Class "G" cmt	AMOUNT PULLED		
5-1/2" - J		15.		5787'		7-7/8"			d 400 sx 50/50 Po	7		
0 1/2 0	00	10.	011	0101		7 170	300 3X 1 Tell1	ille ii aii	d 400 3x 30/30   0.			
29.		T IN	ER RECORD		<del></del>		30.		TUBING RECORD			
SIZE	ТОР	(MD)	BOTTOM		MENT*	SCREEN (MD)	SIZE		DEPTH SET (MD)	PACKER SET (MD)		
5122												
		(1,1,2)				COLCEDIV (ME)	2-7/8"		EOT @			
		(11.10)				ookeept (ind)	2-7/8"		EOT @ 5640'	TA @		
21 PEDEODATION DEC									5640	TA @ 5544'		
31. PERFORATION RECO						32. DEPTH INTE	ACID, SHOT,	FRACTI		TA @ 5544' EEZE, ETC.		
	ORD (Interval, s ERVAL	size and number	SIZE	SPF/NUN	MBER	32.  DEPTH INTE	ACID, SHOT, CRVAL (MD)	FRACTI	5640' URE, CEMENT SQUI AMOUNT AND KIND O	TA @ 5544' EEZE, ETC. FF MATERIAL USED		
	ORD (Interval, s ERVAL (CP2	size and number 2) 5544'-74'	<u>SIZE</u> .49'	SPF/NUM 4/12	MBER 20	32. DEPTH INTE 5544'-	ACID, SHOT, CRVAL (MD) 5574'	FRACTI	5640 <sup>†</sup> URE, CEMENT SQUI AMOUNT AND KIND O W/ 129,858# 20/40	TA @ 5544' EEZE, ETC. OF MATERIAL USED sand in 990 bbls fluid		
	ORD (Interval, s ERVAL (CP2 (LODC) §	size and number 2) 5544'-74' 5194'-5202'	<u>SIZE</u> .49" .49"	SPF/NUM 4/12 4/32	MBER 20 2	32. DEPTH INTE 5544'- 5194'-	ACID, SHOT, RVAL (MD) 5574' 5202'	FRACTI Frac \ Frac	5640 URE, CEMENT SQUI AMOUNT AND KIND O M/ 129,858# 20/40 W/ 40,109# 20/40	TA @ 5544' EEZE, ETC. OF MATERIAL USED sand in 990 bbls fluid sand in 426 bbls fluid		
	ORD (Interval, s ERVAL (CP2 (LODC) (	size and number 2) 5544'-74' 5194'-5202' 5046'-5067'	.49" .49"	SPF/NUM 4/12 4/32 4/84	MBER 20 2	32. DEPTH INTE 5544'- 5194'- 5046'-	ACID, SHOT. CRVAL (MD) 5574' 5202' 5287'	FRACTI Frac \ Frac Frac w	5640 URE, CEMENT SQUI AMOUNT AND KIND O N/ 129,858# 20/40 W/ 40,109# 20/40 V/ 140,344# 20/40s	TA @ 5544' EEZE, ETC. IF MATERIAL USED Sand in 990 bbls fluid sand in 426 bbls fluid and in 1049 bbls fluid		
	ORD (Interval, s ERVAL (CP2 (LODC) (4) (A1) (8)	size and number 2) 5544'-74' 5194'-5202' 5046'-5067' 4902'-4910'	.49" .49" .49" .49"	SPF/NUM 4/12 4/32 4/84 4/32	MBER 20 2 4 2	32. DEPTH INTE 5544'- 5194'- 5046'- 4902'-	ACID, SHOT, CRVAL (MD) 5574' 5202' 5287' 4910'	FRACTI Frac v Frac Frac w Frac	5640 URE, CEMENT SQUI AMOUNT AND KIND O N/ 129,858# 20/40 W/ 40,109# 20/40 v/ 140,344# 20/40s W/ 48,476# 20/40	TA @ 5544' EEZE, ETC. FMATERIAL USED sand in 990 bbls fluid sand in 426 bbls fluid a and in 1049 bbls fluid sand in 464 bbls fluid		
	ORD (Interval, s ERVAL (CP2 (LODC) 5 (A1) 5 (B2) 4	size and number 2) 5544'-74' 5194'-5202' 5046'-5067' 4902'-4910' 4698'-4706'	.49" .49" .49" .49" .49"	SPF/NUM 4/12 4/32 4/84 4/32 4/32 4/32	MBER 20 2 4 2 2 2	32.  DEPTH INTE  5544'-  5194'-  5046'-  4902'-  4698'-	ACID, SHOT. CRVAL (MD) 5574' 5202' 5287' 4910' 4706'	FRACTI Frac Frac Frac Frac Frac	5640 URE, CEMENT SQUI AMOUNT AND KIND O W/ 129,858# 20/40 W/ 40,109# 20/40 W/ 140,344# 20/40s W/ 48,476# 20/40 W/ 55,518# 20/40	TA @ 5544'  EEZE, ETC.  F MATERIAL USED sand in 990 bbls fluid sand in 426 bbls fluid sand in 1049 bbls fluid sand in 464 bbls fluid sand in 489 bbls fluid		
	ORD (Interval, s ERVAL (CP2 (LODC) 5 (A1) 5 (B2) 4	size and number 2) 5544'-74' 5194'-5202' 5046'-5067' 4902'-4910'	SIZE .49" .49" .49" .49" .49"	SPF/NUM 4/12 4/32 4/32 4/32 4/32 4/32 4/32	MBER 20 2 4 2 2 2 2 2	32. DEPTH INTE 5544'- 5194'- 5046'- 4902'-	ACID, SHOT. CRVAL (MD) 5574' 5202' 5287' 4910' 4706'	Frac v Frac v Frac w Frac Frac Frac	5640 URE, CEMENT SQUI AMOUNT AND KIND O N/ 129,858# 20/40 W/ 40,109# 20/40 W/ 140,344# 20/40s W/ 48,476# 20/40 W/ 55,518# 20/40 W/ 22,357# 20/40	TA @ 5544'  EEZE, ETC.  F MATERIAL USED sand in 990 bbls fluid sand in 426 bbls fluid sand in 1049 bbls fluid sand in 464 bbls fluid sand in 489 bbls fluid sand in 326 bbls fluid		
	ORD (Interval, s ERVAL (CP2 (LODC) (A1) (B2) 4 (B2) 4 (D2) 4 (GB4) 4	size and number 2) 5544'-74' 5194'-5202' 5046'-5067' 4902'-4910' 4698'-4706'	.49" .49" .49" .49" .49"	SPF/NUM 4/12 4/32 4/32 4/32 4/32 4/32 4/32	MBER 20 2 4 2 2 2 2 2	32.  DEPTH INTE  5544'-  5194'-  5046'-  4902'-  4698'-	ACID, SHOT. CRVAL (MD) 5574' 5202' 5287' 4910' 4706' 4124'	Frac v Frac v Frac w Frac Frac Frac	5640 URE, CEMENT SQUI AMOUNT AND KIND O N/ 129,858# 20/40 W/ 40,109# 20/40 W/ 140,344# 20/40s W/ 48,476# 20/40 W/ 55,518# 20/40 W/ 22,357# 20/40	TA @ 5544'  EEZE, ETC. DF MATERIAL USED sand in 990 bbls fluid sand in 426 bbls fluid sand in 1049 bbls fluid sand in 464 bbls fluid sand in 489 bbls fluid		
	ORD (Interval, s ERVAL (CP2 (LODC) (A1) (B2) 4 (B2) 4 (D2) 4 (GB4) 4	size and number 2) 5544'-74' 5194'-5202' 5046'-5067' 4902'-4910' 4698'-4706' 4116'-4124'	SIZE .49" .49" .49" .49" .49"	SPF/NUM 4/12 4/32 4/32 4/32 4/32 4/32 4/32	MBER 20 2 4 2 2 2 2 2	32.  DEPTH INTE  5544'-  5194'-  5046'-  4902'-  4698'-  4116'-	ACID, SHOT. CRVAL (MD) 5574' 5202' 5287' 4910' 4706' 4124'	Frac v Frac v Frac w Frac Frac Frac	5640 URE, CEMENT SQUI AMOUNT AND KIND O N/ 129,858# 20/40 W/ 40,109# 20/40 W/ 140,344# 20/40s W/ 48,476# 20/40 W/ 55,518# 20/40 W/ 22,357# 20/40	TA @ 5544'  EEZE, ETC. OF MATERIAL USED sand in 990 bbls fluid sand in 426 bbls fluid sand in 1049 bbls fluid sand in 464 bbls fluid sand in 489 bbls fluid sand in 326 bbls fluid		
	ORD (Interval, s ERVAL (CP2 (LODC) (A1) (B2) 4 (B2) 4 (D2) 4 (GB4) 4	size and number 2) 5544'-74' 5194'-5202' 5046'-5067' 4902'-4910' 4698'-4706' 4116'-4124'	SIZE .49" .49" .49" .49" .49"	SPF/NUM 4/12 4/32 4/32 4/32 4/32 4/32 4/32	MBER 20 2 4 2 2 2 2 2	32.  DEPTH INTE  5544'-  5194'-  5046'-  4902'-  4698'-  4116'-	ACID, SHOT. CRVAL (MD) 5574' 5202' 5287' 4910' 4706' 4124'	Frac v Frac v Frac w Frac Frac Frac	5640 URE, CEMENT SQUI AMOUNT AND KIND O N/ 129,858# 20/40 W/ 40,109# 20/40 W/ 140,344# 20/40s W/ 48,476# 20/40 W/ 55,518# 20/40 W/ 22,357# 20/40	TA @ 5544'  EEZE, ETC.  F MATERIAL USED sand in 990 bbls fluid sand in 426 bbls fluid sand in 1049 bbls fluid sand in 464 bbls fluid sand in 489 bbls fluid sand in 326 bbls fluid		
INT	ORD (Interval, s ERVAL (CP2 (LODC) (A1) (B2) 4 (B2) 4 (D2) 4 (GB4) 4	size and number 2) 5544'-74' 5194'-5202' 5046'-5067' 4902'-4910' 4698'-4706' 4116'-4124'	SIZE .49" .49" .49" .49" .49"	SPF/NUM 4/12 4/32 4/84 4/32 4/32 4/32 4/32	MBER 20 2 4 2 2 2 2 8	32. 5544'- 5194'- 5046'- 4902'- 4698'- 4116'- 4008'-	ACID, SHOT. CRVAL (MD) 5574' 5202' 5287' 4910' 4706' 4124'	Frac v Frac v Frac w Frac Frac Frac	5640 URE, CEMENT SQUI AMOUNT AND KIND O N/ 129,858# 20/40 W/ 40,109# 20/40 W/ 140,344# 20/40s W/ 48,476# 20/40 W/ 55,518# 20/40 W/ 22,357# 20/40	TA @ 5544'  EEZE, ETC. OF MATERIAL USED sand in 990 bbls fluid sand in 426 bbls fluid sand in 1049 bbls fluid sand in 464 bbls fluid sand in 489 bbls fluid sand in 326 bbls fluid		
INT	ORD (Interval, s ERVAL (CP2 (LODC) 5 (A1) 5 (B2) 4 (D2) 4 (GB4) 4 (GB2) 4	size and number 2) 5544'-74' 5194'-5202' 5046'-5067' 4902'-4910' 4698'-4706' 4116'-4124' 4008'-4015'	.49" .49" .49" .49" .49" .49"	SPF/NUM 4/12 4/32 4/84 4/32 4/32 4/32 4/28	MBER 20 2 4 2 2 2 8 8 RODUCT	32.  5544'- 5194'- 5046'- 4902'- 4698'- 4116'- 4008'-	ACID, SHOT. CRVAL (MD) 5574' 5202' 5287' 4910' 4706' 4124'	Frac v Frac v Frac w Frac Frac Frac	5640 URE, CEMENT SQUI AMOUNT AND KIND O N/ 129,858# 20/40 W/ 40,109# 20/40 V/ 140,344# 20/40s W/ 48,476# 20/40 W/ 55,518# 20/40 W/ 22,357# 20/40 W/ 17,193# 20/40	TA @ 5544'  EEZE, ETC.  FMATERIAL USED  sand in 990 bbls fluid sand in 1049 bbls fluid sand in 464 bbls fluid sand in 489 bbls fluid sand in 326 bbls fluid sand in 264 bbls fluid		
INT  33.* DATE FIRST PRODUCTIO	ORD (Interval, s ERVAL (CP2 (LODC) § (A1) § (B2) 4 (D2) 4 (GB4) 4	size and number 2) 5544'-74' 5194'-5202' 5046'-5067' 4902'-4910' 4698'-4706' 4116'-4124' 4008'-4015'	.49" .49" .49" .49" .49" .49"	SPF/NUM 4/12 4/3: 4/8: 4/3: 4/3: 4/3: 4/3: 4/3: 4/2: PF  Owing, gas lift, pumping	MBER 20 2 4 2 2 2 8 RODUCT	32.  DEPTH INTE  5544'-  5194'-  5046'-  4902'-  4698'-  4116'-  4008'-	ACID, SHOT, STAL (MD) 5574' 5202' 5287' 4910' 4706' 4124' 4015'	Frac v Frac v Frac w Frac Frac Frac	5640 URE, CEMENT SQUI AMOUNT AND KIND O N/ 129,858# 20/40 W/ 40,109# 20/40 W/ 140,344# 20/40s W/ 48,476# 20/40 W/ 55,518# 20/40 W/ 22,357# 20/40 W/ 17,193# 20/40	TA @ 5544'  EEZE, ETC.  OF MATERIAL USED  sand in 990 bbls fluid  sand in 426 bbls fluid  sand in 1049 bbls fluid  sand in 464 bbls fluid  sand in 489 bbls fluid  sand in 326 bbls fluid  sand in 264 bbls fluid		
INT	ORD (Interval, s ERVAL (CP2 (LODC) 5 (A1) 5 (B2) 4 (D2) 4 (GB4) 4 (GB2) 4	size and number 2) 5544'-74' 5194'-5202' 5046'-5067' 4902'-4910' 4698'-4706' 4116'-4124' 4008'-4015'	.49" .49" .49" .49" .49" .49"	SPF/NUM 4/12 4/32 4/32 4/32 4/32 4/32 4/26  PF  Owing, gas lift, pumping-s 1/2" x 1-1/2" x ZE PROD'N. FOR	MBER 20 2 4 2 2 2 2 8 RODUCT size and typ 18' RH	32.  5544'- 5194'- 5046'- 4902'- 4698'- 4116'- 4008'-  TON e of pump) HAC SM Plui	ACID, SHOT, STAL (MD) 5574' 5202' 5287' 4910' 4706' 4124' 4015'	FRACTI Frac v Frac v Frac Frac Frac Frac	5640 URE, CEMENT SQUI AMOUNT AND KIND O N/ 129,858# 20/40 W/ 40,109# 20/40 W/ 140,344# 20/40s W/ 48,476# 20/40 W/ 55,518# 20/40 W/ 22,357# 20/40 W/ 17,193# 20/40	TA @ 5544'  EEZE, ETC.  FMATERIAL USED  sand in 990 bbls fluid sand in 1049 bbls fluid sand in 464 bbls fluid sand in 489 bbls fluid sand in 326 bbls fluid sand in 264 bbls fluid		
33.* DATE FIRST PRODUCTIO  06-11-C  DATE OF TEST	ORD (Interval, serval,	size and number 2) 5544'-74' 5194'-5202' 5046'-5067' 4902'-4910' 4698'-4706' 4116'-4124' 4008'-4015'	.49" .49" .49" .49" .49" .49" .49"	SPF/NUM 4/12 4/32 4/32 4/32 4/32 4/32 4/32 4/28  Prowing, gas lift, pumping—s 1/2" x 1-1/2" x  ZE PROD'N. FOR TEST PERIOD	MBER 20 2 4 2 2 2 2 8 RODUCT size and typ 18' RH	32.  5544'- 5194'- 5046'- 4902'- 4698'- 4116'- 4008'-  TION 6 of pump) HAC SM Plui	ACID, SHOT. (RVAL (MD)) 5574' 5202' 5287' 4910' 4706' 4124' 4015'  nger Pump GASMCF.	FRACTI Frac v Frac v Frac Frac Frac Frac	5640 URE, CEMENT SQUI AMOUNT AND KIND O W/ 129,858# 20/40 W/ 40,109# 20/40 W/ 140,344# 20/40s W/ 48,476# 20/40 W/ 55,518# 20/40 W/ 22,357# 20/40 W/ 17,193# 20/40 WELL	TA @ 5544'  EEZE, ETC.  F MATERIAL USED  sand in 990 bbls fluid sand in 1049 bbls fluid sand in 464 bbls fluid sand in 489 bbls fluid sand in 326 bbls fluid sand in 264 bbls fluid sand in 264 bbls fluid STATUS (Producing or shut-in) PRODUCING  GAS-OIL RATIO		
33.* DATE FIRST PRODUCTION 06-11-C DATE OF TEST 06-18-08	ORD (Interval, sERVAL (CP2 (LODC) \$ (A1) \$ (B2) \$ (GB4) \$ (GB2) \$ 4 (GB2) \$	size and number 2) 5544'-74' 5194'-5202' 5046'-5067' 4902'-4910' 4698'-4706' 4116'-4124' 4008'-4015'  PRODUCTIO	.49" .49" .49" .49" .49" .49" .49" .49"	SPF/NUM 4/12 4/32 4/32 4/32 4/32 4/32 4/28  Prowing, gas lift, pumping-s 1/2" x 1-1/2" x  ZE PROD'N. FOR TEST PERIOD>	MBER 20 2 4 2 2 2 8 RODUCT size and typ 18' RH ROIL-	32.  5544'- 5194'- 5046'- 4902'- 4698'- 4116'- 4008'-  TION e of pump) HAC SM Plui -BBLS.	ACID, SHOT. (RVAL (MD)) 5574' 5202' 5287' 4910' 4706' 4124' 4015'	FRACTI Frac v Frac v Frac Frac Frac Frac	5640 URE, CEMENT SQUI AMOUNT AND KIND O W/ 129,858# 20/40 W/ 40,109# 20/40 W/ 140,344# 20/40s W/ 48,476# 20/40 W/ 55,518# 20/40 W/ 22,357# 20/40 W/ 17,193# 20/40 WELL:	TA @ 5544'  EEZE, ETC.  OF MATERIAL USED Sand in 990 bbls fluid sand in 426 bbls fluid sand in 1049 bbls fluid sand in 464 bbls fluid sand in 489 bbls fluid sand in 266 bbls fluid sand in 264 bbls fluid STATUS (Producing or shut-in) PRODUCING  GAS-OIL RATIO 413		
33.* DATE FIRST PRODUCTIO  06-11-C  DATE OF TEST	ORD (Interval, sERVAL (CP2 (LODC) \$ (A1) \$ (B2) \$ (GB4) \$ (GB2) \$ 4 (GB2) \$	size and number 2) 5544'-74' 5194'-5202' 5046'-5067' 4902'-4910' 4698'-4706' 4116'-4124' 4008'-4015'	.49" .49" .49" .49" .49" .49" .49" .49"	PFODN, FOR TEST PERIOD  TED OIL-BBL  SPF/NUM  4/12  4/32  4/32  4/32  4/26  PR  PR  PR  PR  PR  PR  PR  PR  PR  P	MBER 20 2 4 2 2 2 8 RODUCT size and typ 18' RH ROIL-	32.  5544'- 5194'- 5046'- 4902'- 4698'- 4116'- 4008'-  TION 6 of pump) HAC SM Plui	ACID, SHOT. (RVAL (MD)) 5574' 5202' 5287' 4910' 4706' 4124' 4015'  nger Pump GASMCF.	FRACTI Frac v Frac v Frac Frac Frac Frac	5640 URE, CEMENT SQUI AMOUNT AND KIND O W/ 129,858# 20/40 W/ 40,109# 20/40 W/ 140,344# 20/40s W/ 48,476# 20/40 W/ 55,518# 20/40 W/ 22,357# 20/40 W/ 17,193# 20/40 WELL:	TA @ 5544'  EEZE, ETC.  F MATERIAL USED  sand in 990 bbls fluid sand in 1049 bbls fluid sand in 464 bbls fluid sand in 489 bbls fluid sand in 326 bbls fluid sand in 264 bbls fluid sand in 264 bbls fluid STATUS (Producing or shut-in) PRODUCING  GAS-OIL RATIO		
33.* DATE FIRST PRODUCTION 06-11-C DATE OF TEST 06-18-08	ORD (Interval, sERVAL (CP2 (LODC) \$ (A1) \$ (B2) \$ (GB4) \$ (GB2) \$ 4 (GB2) \$	size and number 2) 5544'-74' 5194'-5202' 5046'-5067' 4902'-4910' 4698'-4706' 4116'-4124' 4008'-4015'  PRODUCTIO	.49" .49" .49" .49" .49" .49" .49" .49"	SPF/NUM 4/12 4/32 4/32 4/32 4/32 4/32 4/28  PROD'N, FOR TEST PERIOD TEST PERIO	MBER 20 2 4 2 2 2 8 RODUCT size and typ 18' RH ROIL-	32.  5544'- 5194'- 5046'- 4902'- 4698'- 4116'- 4008'-  TION e of pump) HAC SM Plui -BBLS.	ACID, SHOT. (RVAL (MD)) 5574' 5202' 5287' 4910' 4706' 4124' 4015'  nger Pump GASMCF.	FRACTI Frac v Frac v Frac Frac Frac Frac	5640 URE, CEMENT SQUI AMOUNT AND KIND O W/ 129,858# 20/40 W/ 40,109# 20/40 W/ 140,344# 20/40s W/ 48,476# 20/40 W/ 55,518# 20/40 W/ 22,357# 20/40 W/ 17,193# 20/40 WELL:	TA @ 5544'  EEZE, ETC.  OF MATERIAL USED Sand in 990 bbls fluid sand in 426 bbls fluid sand in 1049 bbls fluid sand in 464 bbls fluid sand in 489 bbls fluid sand in 266 bbls fluid sand in 264 bbls fluid STATUS (Producing or shut-in) PRODUCING  GAS-OIL RATIO 413		
33.* DATE FIRST PRODUCTION 06-11-0 DATE OF TEST 06-18-08 FLOW. TUBING PRESS.	ORD (Interval, sERVAL (CP2 (LODC) \$ (A1) \$ (B2) \$ (GB4) \$ (GB2) \$ \$ (GB2) \$ \$ (GB2) \$ \$ (GB2) \$ \$ (GB3)	size and number 2) 5544'-74' 5194'-5202' 5046'-5067' 4902'-4910' 4698'-4706' 4116'-4124' 4008'-4015'  PRODUCTIO  URS TESTED  SING PRESSURI	.49" .49" .49" .49" .49" .49" .49" .49"	PFODN, FOR TEST PERIOD  TED OIL-BBL  SPF/NUM  4/12  4/32  4/32  4/32  4/26  PR  PR  PR  PR  PR  PR  PR  PR  PR  P	MBER 20 2 4 2 2 2 8 RODUCT size and typ 18' RH ROIL-	32.  5544'- 5194'- 5046'- 4902'- 4698'- 4116'- 4008'-  TION e of pump) HAC SM Plui -BBLS.	ACID, SHOT. (RVAL (MD)) 5574' 5202' 5287' 4910' 4706' 4124' 4015'  nger Pump GASMCF.	FRACTI Frac v Frac v Frac Frac Frac Frac	5640  URE, CEMENT SQUI AMOUNT AND KIND O N/ 129,858# 20/40 W/ 40,109# 20/40 V/ 140,344# 20/40s W/ 48,476# 20/40 W/ 55,518# 20/40 W/ 22,357# 20/40 W/ 17,193# 20/40  WELL RBBL.  40  -BBL. OIL GRAV	TA @ 5544'  EEZE, ETC.  OF MATERIAL USED Sand in 990 bbls fluid sand in 426 bbls fluid sand in 1049 bbls fluid sand in 464 bbls fluid sand in 489 bbls fluid sand in 266 bbls fluid sand in 264 bbls fluid STATUS (Producing or shut-in) PRODUCING  GAS-OIL RATIO 413		
33.* DATE FIRST PRODUCTION 06-11-C DATE OF TEST 06-18-08	ORD (Interval, sERVAL (CP2 (LODC) \$ (A1) \$ (B2) \$ (GB4) \$ (GB2) \$ \$ (GB2) \$ \$ (GB2) \$ \$ (GB2) \$ \$ (GB3)	size and number 2) 5544'-74' 5194'-5202' 5046'-5067' 4902'-4910' 4698'-4706' 4116'-4124' 4008'-4015'  PRODUCTIO  URS TESTED  SING PRESSURI	.49" .49" .49" .49" .49" .49" .49" .49"	SPF/NUM 4/12 4/32 4/32 4/32 4/32 4/32 4/32 4/28  PR owing, gas lift, pumping—s 1/2" x 1-1/2" x ZE PRODN. FOR TEST PERIOL ————————————————————————————————————	MBER 20 2 4 2 2 2 8 RODUCT size and typ 18' RH ROIL-	32.  5544'- 5194'- 5046'- 4902'- 4698'- 4116'- 4008'-  TION e of pump) HAC SM Plui -BBLS.	ACID, SHOT. (RVAL (MD)) 5574' 5202' 5287' 4910' 4706' 4124' 4015'  nger Pump GASMCF.	FRACTI Frac v Frac v Frac Frac Frac Frac	5640 URE, CEMENT SQUI AMOUNT AND KIND O W/ 129,858# 20/40 W/ 40,109# 20/40 W/ 140,344# 20/40s W/ 48,476# 20/40 W/ 55,518# 20/40 W/ 22,357# 20/40 W/ 17,193# 20/40 WELL:	TA @ 5544'  EEZE, ETC.  OF MATERIAL USED Sand in 990 bbls fluid sand in 426 bbls fluid sand in 1049 bbls fluid sand in 464 bbls fluid sand in 489 bbls fluid sand in 266 bbls fluid sand in 264 bbls fluid STATUS (Producing or shut-in) PRODUCING  GAS-OIL RATIO 413		
33.* DATE FIRST PRODUCTION OF TEST  06-18-08 FLOW. TUBING PRESS.  34. DISPOSITION OF GAS	ORD (Interval, sERVAL (CP2 (LODC) \$ (A1) \$ (B2) \$ (GB4) \$ (GB2) \$ (GB4) \$ (GB2) \$ (GB4) \$ (GB2) \$ (GB4) \$ (GB4	size and number 2) 5544'-74' 5194'-5202' 5046'-5067' 4902'-4910' 4698'-4706' 4116'-4124' 4008'-4015'  PRODUCTIO  URS TESTED  SING PRESSURI	.49" .49" .49" .49" .49" .49" .49" .49"	SPF/NUM 4/12 4/32 4/32 4/32 4/32 4/32 4/28  PROD'N, FOR TEST PERIOD TEST PERIO	MBER 20 2 4 2 2 2 8 RODUCT size and typ 18' RH ROIL-	32.  5544'- 5194'- 5046'- 4902'- 4698'- 4116'- 4008'-  TION e of pump) HAC SM Plui -BBLS.	ACID, SHOT.  CRVAL (MD) 5574' 5202' 5287' 4910' 4706' 4124' 4015'  nger Pump GAS-MCF. 31	Frac v Frac v Frac Frac Frac Frac WATE	5640  URE, CEMENT SQUI AMOUNT AND KIND O N/ 129,858# 20/40 W/ 40,109# 20/40 V/ 140,344# 20/40s W/ 48,476# 20/40 W/ 55,518# 20/40 W/ 22,357# 20/40 W/ 17,193# 20/40  WELL RBBL.  40  -BBL. OIL GRAV	TA @ 5544'  EEZE, ETC.  OF MATERIAL USED Sand in 990 bbls fluid sand in 426 bbls fluid sand in 1049 bbls fluid sand in 464 bbls fluid sand in 489 bbls fluid sand in 266 bbls fluid sand in 264 bbls fluid STATUS (Producing or shut-in) PRODUCING  GAS-OIL RATIO 413		
33.* DATE FIRST PRODUCTION 06-11-0 DATE OF TEST 06-18-08 FLOW. TUBING PRESS.	ORD (Interval, sERVAL (CP2 (LODC) \$ (A1) \$ (B2) \$ (GB4) \$ (GB2) \$ (GB4) \$ (GB2) \$ (GB4) \$ (GB2) \$ (GB4) \$ (GB4	size and number 2) 5544'-74' 5194'-5202' 5046'-5067' 4902'-4910' 4698'-4706' 4116'-4124' 4008'-4015'  PRODUCTIO  URS TESTED  SING PRESSURI	.49" .49" .49" .49" .49" .49" .49" .49"	SPF/NUM 4/12 4/32 4/32 4/32 4/32 4/32 4/32 4/28  PR owing, gas lift, pumping—s 1/2" x 1-1/2" x ZE PRODN. FOR TEST PERIOL ————————————————————————————————————	MBER 20 2 4 2 2 2 8 RODUCT size and typ 18' RH ROIL-	32.  5544'- 5194'- 5046'- 4902'- 4698'- 4116'- 4008'-  TON e of pump) HAC SM Plui -BBLS.	ACID, SHOT. (RVAL (MD)) 5574' 5202' 5287' 4910' 4706' 4124' 4015'  nger Pump GASMCF.	Frac v Frac v Frac Frac Frac Frac WATE	5640  URE, CEMENT SQUI AMOUNT AND KIND O N/ 129,858# 20/40 W/ 40,109# 20/40 V/ 140,344# 20/40s W/ 48,476# 20/40 W/ 55,518# 20/40 W/ 22,357# 20/40 W/ 17,193# 20/40  WELL RBBL.  40  -BBL. OIL GRAV	TA @ 5544'  EEZE, ETC.  OF MATERIAL USED Sand in 990 bbls fluid sand in 426 bbls fluid sand in 1049 bbls fluid sand in 464 bbls fluid sand in 489 bbls fluid sand in 266 bbls fluid sand in 264 bbls fluid STATUS (Producing or shut-in) PRODUCING  GAS-OIL RATIO 413		
INT  33.*  DATE FIRST PRODUCTION  06-11-CO  DATE OF TEST  06-18-08  FLOW. TUBING PRESS.  34. DISPOSITION OF GAS  35. LIST OF ATTACHMEN	ORD (Interval, serval,	size and number 2) 5544'-74' 5194'-5202' 5046'-5067' 4902'-4910' 4698'-4706' 4116'-4124' 4008'-4015'  PRODUCTIO  URS TESTED  SING PRESSURJ	SIZE .49" .49" .49" .49" .49" .49" .49" .49"	SPF/NUM 4/12 4/32 4/32 4/32 4/32 4/32 4/32 4/28  PROD'N, FOR TEST PERIOD TED OIL-BBL RATE Sed for Fuel	MBER 20 2 4 2 2 2 8 RODUCT size and typ 18' RH ROIL-D	32.  DEPTH INTE  5544'-  5194'-  5046'-  4902'-  4698'-  4116'-  4008'-  TON  e of pump)  HAC SM Plui  -BBLS.  75  GASMCF.	ACID, SHOT. (RVAL (MD)) 5574' 5202' 5287' 4910' 4706' 4124' 4015'  MIRITARY ACID, SHOT. 31  RECEL  JUL 28	FRACTI Frac w Frac w Frac Frac Frac Frac WATE WATER	5640 URE, CEMENT SQUI AMOUNT AND KIND O W/ 129,858# 20/40 W/ 40,109# 20/40 W/ 140,344# 20/40s W/ 48,476# 20/40 W/ 55,518# 20/40 W/ 22,357# 20/40 W/ 17,193# 20/40 WELL:  40  TEST WITNESSED BY	TA @ 5544'  EEZE, ETC.  OF MATERIAL USED Sand in 990 bbls fluid sand in 426 bbls fluid sand in 1049 bbls fluid sand in 464 bbls fluid sand in 489 bbls fluid sand in 266 bbls fluid sand in 264 bbls fluid SAND IN STATUS (Producing or shut-in) PRODUCING GAS-OIL RATIO 413		
INT  33.*  DATE FIRST PRODUCTION  06-11-CO  DATE OF TEST  06-18-08  FLOW. TUBING PRESS.  34. DISPOSITION OF GAS  35. LIST OF ATTACHMEN	ORD (Interval, serval,	size and number 2) 5544'-74' 5194'-5202' 5046'-5067' 4902'-4910' 4698'-4706' 4116'-4124' 4008'-4015'  PRODUCTIO  URS TESTED  SING PRESSURJ	SIZE .49" .49" .49" .49" .49" .49" .49" .49"	SPF/NUM 4/12 4/32 4/32 4/32 4/32 4/32 4/32 4/28  PROD'N, FOR TEST PERIOD TED OIL-BBL RATE Sed for Fuel	MBER 20 2 4 2 2 2 8 RODUCT size and typ 18' RH ROIL-D	32.  DEPTH INTE  5544'-  5194'-  5046'-  4902'-  4698'-  4116'-  4008'-  TON  e of pump)  HAC SM Plui  -BBLS.  75  GASMCF.	ACID, SHOT. (RVAL (MD)) 5574' 5202' 5287' 4910' 4706' 4124' 4015'  MIRITARY ACID, SHOT. 31  RECEL  JUL 28	FRACTI Frac w Frac w Frac Frac Frac Frac WATE WATER	5640 URE, CEMENT SQUI AMOUNT AND KIND O W/ 129,858# 20/40 W/ 40,109# 20/40 W/ 140,344# 20/40s W/ 48,476# 20/40 W/ 55,518# 20/40 W/ 22,357# 20/40 W/ 17,193# 20/40 WELL:  40  TEST WITNESSED BY	TA @ 5544'  EEZE, ETC.  OF MATERIAL USED Sand in 990 bbls fluid sand in 426 bbls fluid sand in 1049 bbls fluid sand in 489 bbls fluid sand in 326 bbls fluid sand in 264 bbls fluid SAND IN SA		
33.* DATE FIRST PRODUCTION OF TEST  06-18-08 FLOW. TUBING PRESS.  34. DISPOSITION OF GAS	ORD (Interval, serval,	size and number 2) 5544'-74' 5194'-5202' 5046'-5067' 4902'-4910' 4698'-4706' 4116'-4124' 4008'-4015'  PRODUCTIO  URS TESTED  SING PRESSURJ	SIZE .49" .49" .49" .49" .49" .49" .49" .49"	SPF/NUM 4/12 4/32 4/32 4/32 4/32 4/32 4/32 4/28  PROD'N, FOR TEST PERIOD TED OIL-BBL RATE Sed for Fuel	MBER 20 2 4 2 2 2 8 RODUCT size and typ 18' RH ROIL-D	32.  DEPTH INTE  5544'-  5194'-  5046'-  4902'-  4698'-  4116'-  4008'-  TON  e of pump)  HAC SM Plui  -BBLS.  75  GASMCF.	ACID, SHOT. (RVAL (MD)) 5574' 5202' 5287' 4910' 4706' 4124' 4015'  MIRITARY ACID, SHOT. 31  RECEL  JUL 28	FRACTI Frac w Frac w Frac Frac Frac Frac WATE WATER	5640 URE, CEMENT SQUI AMOUNT AND KIND O W/ 129,858# 20/40 W/ 40,109# 20/40 W/ 140,344# 20/40s W/ 48,476# 20/40 W/ 55,518# 20/40 W/ 22,357# 20/40 W/ 17,193# 20/40 WELL:  40  TEST WITNESSED BY	TA @ 5544'  EEZE, ETC.  OF MATERIAL USED Sand in 990 bbls fluid sand in 426 bbls fluid sand in 1049 bbls fluid sand in 464 bbls fluid sand in 489 bbls fluid sand in 266 bbls fluid sand in 264 bbls fluid STATUS (Producing or shut-in) PRODUCING GAS-OIL RATIO 413  ATTY-API (CORR.)		

VERT. DEPTH TRUE TOP MEAS, DEPTH 3639° 3853° 3958° 4208° 4510° 4624° NP NP 4958° 5506° NP GEOLOGIC MARKERS Basal Carbonate Total Depth (LOGGERS Douglas Creek Mkr BiCarbonate Mkr Garden Gulch Mkr B Limestone Mkr Garden Gulch 2 Point 3 Mkr Garden Gulch 1 NAME Castle Peak X Mkr Y-Mkr 38. DESCRIPTION, CONTENTS, ETC. 37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals, and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and State 12-16-9-16 Well Name BOTTOM TOP FORMATION recoveries);



Well Name: State 12-16-9-16 LOCATION: S16, T9S, R16E COUNTY/STATE: Duchesne API: 43-013-33852

Spud Date: 4-17-08

TD: 5790' CSG: 5-13-08 POP: 6-10-08

DATE	HRS	Oil (bbls)	Water (bbis)	Recovered Water (bbls)	Gas (mcf)	Casing Pressure (psi)	SPM	Comments
6/10/2008				4127				POP @ 4:30 P.M. w/ 86" SI @ 5 SPM. 4127 Total water to recover.
6/11/2008	18	0	80	4047	0	0	5	1. S. C. 1. S. 1. S. 1. S.
6/12/2008	24	70	15	4032	74	65	5 1/4	
6/13/2008	24	0	89	3943	0	35	5 1/2	
6/14/2008	18	0	50	3893	0	50	5 1/2	Down - Ajax
6/15/2008	24	6	62	3831	0	50	6 1/2	
6/16/2008	24	40	37	3794	12	62	5 1/2	
6/17/2008	24	48	44	3750	25	65	6	
6/18/2008	24	75	40	3710	31		6 1/2	
6/19/2008	8	12	0	3710	7	30		Down - Governor
6/20/2008	6	5	3	3707	0	30	0	Down - Governor
6/21/2008	18	48	46	3661	26	65	6	Down - overspeed
6/22/2008	24	38	30	3631	26	65	5	
6/23/2008	24	52	28	3603	13	65	4	
6/24/2008	_20	45	28	3575	26	65	4	Down - motor kill
6/25/2008	18	316	135	3440	13	280	4 1/2	Down - overspeed
6/26/2008	17	62	0	3440	40	240	6	Down - governor
6/27/2008	24	100	45	3395	93	200	5 1/2	
6/28/2008	20	75	22	3373	79	200	6	Down - overspeed
6/29/2008	24	104	20	3353	92	225	6	
6/30/2008	24	118	35	3318	117	275	6	
7/1/2008	24	128	18	3300	127	325	6	
7/2/2008				3300				
7/3/2008				3300				
7/4/2008				3300				
7/5/2008				3300				
7/6/2008				3300	-			
7/7/2008				3300				
7/8/2008		T		3300				
7/9/2008				3300				
7/10/2008				3300				7000
7/11/2008				3300		77.77		
	T	1342	827		801			The state of the s

113633

Sundry Number: 26820 API Well Number: 43013338520000

	STATE OF UTAH		FORM 9				
	DEPARTMENT OF NATURAL RESOURC DIVISION OF OIL, GAS, AND MIN		5.LEASE DESIGNATION AND SERIAL NUMBER: ML-16532				
SUNDF	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:						
	oposals to drill new wells, significantly or reenter plugged wells, or to drill horizon n for such proposals.		7.UNIT or CA AGREEMENT NAME: GMBU (GRRV)				
1. TYPE OF WELL Oil Well			8. WELL NAME and NUMBER: STATE 12-16-9-16				
2. NAME OF OPERATOR: NEWFIELD PRODUCTION CO	DMPANY		9. API NUMBER: 43013338520000				
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT	, 84052 435 646-4825	PHONE NUMBER: Ext	9. FIELD and POOL or WILDCAT: MONUMENT BUTTE				
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2034 FSL 0504 FWL			COUNTY: DUCHESNE				
QTR/QTR, SECTION, TOWNSH	HIP, RANGE, MERIDIAN: 16 Township: 09.0S Range: 16.0E Merio	dian: S	STATE: UTAH				
11. CHEC	K APPROPRIATE BOXES TO INDICAT	E NATURE OF NOTICE, REPOR	RT, OR OTHER DATA				
TYPE OF SUBMISSION		TYPE OF ACTION					
/	ACIDIZE	ALTER CASING	CASING REPAIR				
NOTICE OF INTENT Approximate date work will start: 7/1/2012	CHANGE TO PREVIOUS PLANS	CHANGE TUBING	CHANGE WELL NAME				
7/1/2012	CHANGE WELL STATUS	COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE				
SUBSEQUENT REPORT Date of Work Completion:	DEEPEN	FRACTURE TREAT	✓ NEW CONSTRUCTION				
Date of Work Completion.	OPERATOR CHANGE	PLUG AND ABANDON	PLUG BACK				
	PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION				
SPUD REPORT Date of Spud:	REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	TEMPORARY ABANDON				
	TUBING REPAIR	VENT OR FLARE	WATER DISPOSAL				
DRILLING REPORT Report Date:	WATER SHUTOFF	SI TA STATUS EXTENSION	APD EXTENSION				
Report Date.	WILDCAT WELL DETERMINATION	OTHER	OTHER:				
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  Newfield Production proposes to install 862' on SITLA land, Section 16 of T9 R16 of 3" buried waterline to the 12-16-9-16 for the purpose of water injection. Disturbance would follow existing roadways and be limited to 15 feet in width, depending on terrain. See attachment for details.  Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY June 21, 2012							
NAME (PLEASE PRINT) Tim Eaton	PHONE NUMB 465 646-4858	ER TITLE Regulatory Tech					
SIGNATURE N/A	·	DATE 6/18/2012					

Sundry Number: 26820 API Well Number: 43013338520000 **Proposed Pipeline Map Existing Location** 12-16-9-16 Tie in at Existing Waterline Legend Existing Road **Total Pipeline Distances**  Proposed Waterline **Proposed Waterline** ±862 **NEWFIELD EXPLORATION COMPANY** P: (435) 781-2501 N F: (435) 781-2518 12-16-9-16 'ri State SEC. 16, T9S, R16E, S.L.B.&M. Land Surveying, Inc. 👠 180 NORTH VERNAL AVE. VERNAL, UTAH 84078 **Duchesne County, UT.** D.C.R. REVISED: VERSION: SHEET

THE PARCEL INFORMATION SHOWN HAS NOT BEEN SURVEYED BY TRI-STATE LAND SURVEYING, INC. - TRI-STATE DOES NOT WARRANTY PROPERTY PARCEL DATA OR ANY ASSOCIATED INFORMATION. A PROPERTY SURVEY IS REQUIRED TO DETERMINE THE ACTUAL LOCATION OF PROPERTY LINES AND SHOW ACCURATE DISTANCES ACROSS PARCELS. DRAWN BY: TOPOGRAPHIC MAP DATE: 05-02-2012 **V1** C SCALE 1 " = 2,000

Sundry Number: 41656 API Well Number: 43013338520000

	STATE OF UTAH		FORM 9	
DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING			5.LEASE DESIGNATION AND SERIAL NUMBER: ML-16532	
SUNDRY NOTICES AND REPORTS ON WELLS			6. IF INDIAN, ALLOTTEE OR TRIBE NAME:	
	oposals to drill new wells, significantly de reenter plugged wells, or to drill horizont in for such proposals.		7.UNIT or CA AGREEMENT NAME: GMBU (GRRV)	
1. TYPE OF WELL Oil Well			8. WELL NAME and NUMBER: STATE 12-16-9-16	
2. NAME OF OPERATOR: NEWFIELD PRODUCTION CO	OMPANY		9. API NUMBER: 43013338520000	
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT		PHONE NUMBER: Ext	9. FIELD and POOL or WILDCAT: MONUMENT BUTTE	
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2034 FSL 0504 FWL			COUNTY: DUCHESNE	
QTR/QTR, SECTION, TOWNS	HIP, RANGE, MERIDIAN: 16 Township: 09.0S Range: 16.0E Meridia	an: S	STATE: UTAH	
11. CHEC	K APPROPRIATE BOXES TO INDICATE	NATURE OF NOTICE, REPOR	RT, OR OTHER DATA	
TYPE OF SUBMISSION		TYPE OF ACTION		
	ACIDIZE	ALTER CASING	CASING REPAIR	
NOTICE OF INTENT Approximate date work will start:	CHANGE TO PREVIOUS PLANS	CHANGE TUBING	CHANGE WELL NAME	
Approximate date work will start:	✓ CHANGE WELL STATUS	COMMINGLE PRODUCING FORMATIONS	✓ CONVERT WELL TYPE	
SUBSEQUENT REPORT Date of Work Completion:	DEEPEN [	FRACTURE TREAT	NEW CONSTRUCTION	
8/16/2013	OPERATOR CHANGE	PLUG AND ABANDON	PLUG BACK	
SPUD REPORT Date of Spud:	PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION	
	REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON	
DRILLING REPORT	L TUBING REPAIR	VENT OR FLARE	WATER DISPOSAL	
Report Date:	WATER SHUTOFF	SI TA STATUS EXTENSION	APD EXTENSION	
	WILDCAT WELL DETERMINATION	OTHER	OTHER:	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  The subject well has been converted from a producing oil well to an injection well on 08/15/2013. On 08/15/2013 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 08/16/2013 the casing was pressured up to 1200 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 200 psig during the test. There was a State representative available to witness the test -  Chris Jensen.				
NAME (PLEASE PRINT) Lucy Chavez-Naupoto	<b>PHONE NUMBE</b> 435 646-4874	R TITLE Water Services Technician		
SIGNATURE N/A		DATE 8/22/2013		

## Sundry Number: 41656 APT Well' Number: 43013338520000 Casing or Annulus Pressure Test

### **Newfield Production Company** Rt 3 Box 3630 Myton, UT 84052 435-646-3721

Witness: MAS Lusen Test Conducted by: Riley Bag. Others Present:	Date <u>8   16   13</u>	Time 9:45	am pm
Well: State 12-16-9-16	Field: M-n	ument Butte	
Well Location: 5tate 12-16-9-16	API No: 4301333852		
:			340
Time	Casing Pressure		
0 min	1200	psig	
5	1600	psig	
10	1700	psig	
15	1600	psig	
20	1200	psig	
25	1200	psig	
30 min	1200	psig	
35		psig	
40		psig	į.
45	r.	psig	
50		_ psig	
55		_ psig	
60 min		_ psig	
Tubing pressure:	700	_ psig	
Result:	Pass	Fail	

Signature of Witness:

Signature of Person Conducting Test:

Sundry Number: 41656 API Well Number: 43013338520000 MONGHI CHART NO. INC M. 2500 24HR 110 TAKENOFF Quest Man State leit & M. F. C. L. A. M. C. L. A. M. C. L. A. M. C. L. A. M. F. C. L. A. M. M. F. C. L. A. M. F METER CHART PUT NO Ante Stud 9 HOOM ε 7

#### **Daily Activity Report**

#### Format For Sundry STATE 12-16-9-16 6/1/2013 To 10/30/2013

8/14/2013 Day: 1

Conversion

Nabors #1608 on 8/14/2013 - MIRUSU, pull rods - spot in rig and RU hotoiler pumped down 60 bbls down casing, RD horse head, pick up on rods, unscrew stuffing. Box (all threads on stuffing box are stripped off). Unseat rod pump, pulled 15 over, lay down polish rod and shut rattagon on rods, hot oiler flushed rods w/40 bbls. SOFT SEAT RODS, BREAK DOWN FLOW TEE, HOTOILER FILLED TBG W/ 25 BBLS, ADUSTED POP OFF VALVE ON TRUCK, PRESSURE TEST TBG TO 3000 PSI (GOOD TEST). STARTED LAYING DOWN RODS WHEN GUIDES STARTED BUSTING OF IN THE FLOW TEE AND GOT RODS STUCK, FREE UP RODS, REMOVED FLOW TEE AND REPLACED W/ 2' PUP JT . LAID DOWN 100 3/4 4 PERS, 97 3/4 SLICKS, 20 3/4 4 PERS AND 6 K BARS AND LAY DOWN PUMP. STOPED AND FLUSHED RODS W/ 20 BBLS HALF WAY THROUGH .

Daily Cost: \$0

Cumulative Cost: \$18,350

#### 8/15/2013 Day: 2

Conversion

Nabors #1608 on 8/15/2013 - POOH W/ 128 JTS OF 2 7/8 J55 TBG AND BREAK EVERY COLLAR AND CLEAN AND APPLY GREEN DOPE. TALLY TBG. - HOTOILER FLUSHED TBG W/ 40 BBLS, TIE BACK TO SINGLE LINE, CHANGE OVER FOR TBG, N/D B-1 FLANGE (TBG ANCOR NOT SET), N/U BOPS, R/U WORK FLOOR, TIE BACK TO DOUBLE LINE.POOH W/ 128 JTS OF 2 7/8 J55 TBG AND BREAK EVERY COLLAR AND CLEAN AND APPLY GREEN DOPE. TALLY TBG.

Daily Cost: \$0

Cumulative Cost: \$26,538

#### 8/16/2013 Day: 3

Conversion

Nabors #1608 on 8/16/2013 - P/U SANDLINE, MAKE UP 2" OVER SHOT TIH TO PSN AND FISH STANDING VALVE AND LAY DOWN SANDLINE - TIE BACK SINGLE LINE, R/D WORK FLOOR, N/D BOPS, LAND WELL ON B-1 FLANGE W/ 8' PUP JT BELOW WELL HEAD. WAIT ON FRESH WATERITL BROUGHT IN 130 BBLS OF FRESH, HOTOILER LOADED 60 BBLS AND MIXED PKR FLUID, PUMPED FLUID DOWN CSG, SET PKR AND N/U NEW 3K INJECTION TREE. TIGHTEN DOWN WELL HEAD, HOTOILER FILLED CSG W/ 50 BBLS, PRESSURE CSG TO 1400 PSI. START PRESSURE TEST @ 12:45 W/ 1400 PSI. 0 LOSS IN 30 MINUTES

Daily Cost: \$0

Cumulative Cost: \$31,914

#### 8/19/2013 Day: 4

Conversion

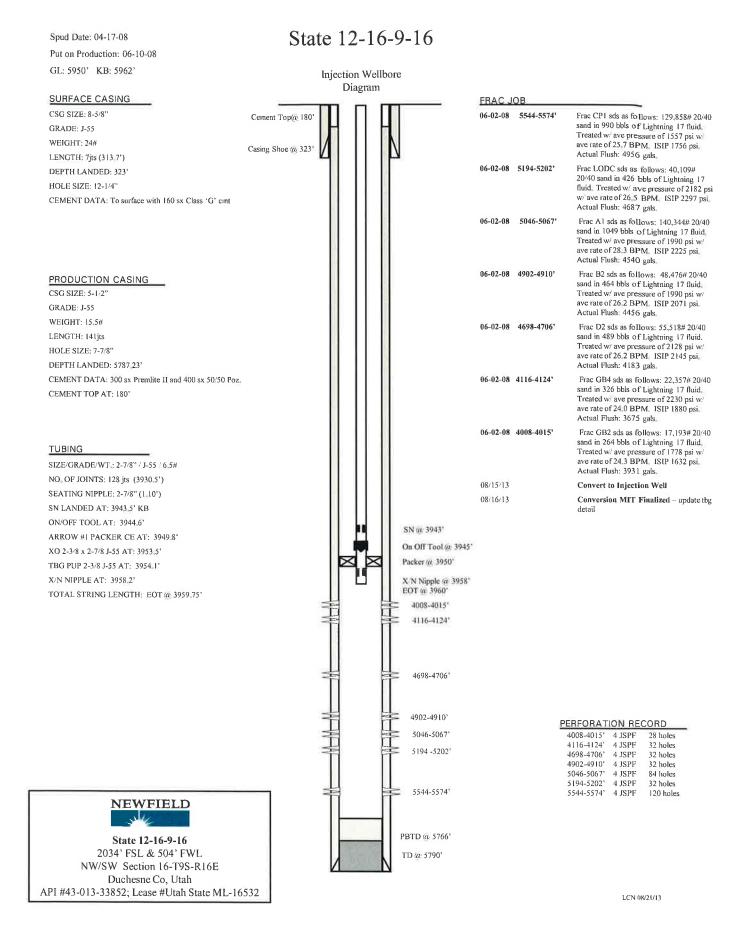
Rigless on 8/19/2013 - Condcut initial MIT - On 08/15/2013 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 08/16/2013 the casing was pressured up to 1200 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 200 psig during the test. There was a State representative available to witness the test - Chris Jensen. **Finalized** 

Daily Cost: \$0

**Cumulative Cost:** \$62,826

**Pertinent Files: Go to File List** 

Sundry Number: 41656 API Well Number: 43013338520000



Sundry Number: 43992 API Well Number: 43013338520000

	STATE OF UTAH		FORM 9	
DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING			5.LEASE DESIGNATION AND SERIAL NUMBER: ML-16532	
SUNDRY NOTICES AND REPORTS ON WELLS		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:		
	posals to drill new wells, significantly dee reenter plugged wells, or to drill horizontal n for such proposals.		7.UNIT or CA AGREEMENT NAME: GMBU (GRRV)	
1. TYPE OF WELL Water Injection Well			8. WELL NAME and NUMBER: STATE 12-16-9-16	
2. NAME OF OPERATOR: NEWFIELD PRODUCTION CO	DMPANY		9. API NUMBER: 43013338520000	
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT		ONE NUMBER: xt	9. FIELD and POOL or WILDCAT: MONUMENT BUTTE	
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2034 FSL 0504 FWL			COUNTY: DUCHESNE	
QTR/QTR, SECTION, TOWNSH Qtr/Qtr: NWSW Section:	HP, RANGE, MERIDIAN: 16 Township: 09.0S Range: 16.0E Meridiar	n: S	STATE: UTAH	
11. CHECI	K APPROPRIATE BOXES TO INDICATE N	NATURE OF NOTICE, REPOF	RT, OR OTHER DATA	
TYPE OF SUBMISSION		TYPE OF ACTION		
	ACIDIZE	ALTER CASING	CASING REPAIR	
NOTICE OF INTENT Approximate date work will start:	CHANGE TO PREVIOUS PLANS	CHANGE TUBING	CHANGE WELL NAME	
	✓ CHANGE WELL STATUS	COMMINGLE PRODUCING FORMATIONS	✓ CONVERT WELL TYPE	
SUBSEQUENT REPORT Date of Work Completion:	DEEPEN	FRACTURE TREAT	NEW CONSTRUCTION	
10/18/2013	OPERATOR CHANGE	PLUG AND ABANDON	PLUG BACK	
SPUD REPORT Date of Spud:	PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION	
	REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	TEMPORARY ABANDON	
DRILLING REPORT Report Date:	TUBING REPAIR	VENT OR FLARE	WATER DISPOSAL	
	WATER SHUTOFF	SI TA STATUS EXTENSION	APD EXTENSION	
· I	WILDCAT WELL DETERMINATION	OTHER	OTHER:	
40 DECODINE PROPOSED OR		entinent details including dates	lands values at	
	COMPLETED OPERATIONS. Clearly show all perence well was put on injection	_	Accepted by the	
The above rele	10/18/2013.	1 at 12.00 1 W 011	Utah Division of Oil, Gas and Mining	
			Date: November 20, 2013	
			By: Daggill	
			2.5	
NAME (PLEASE PRINT) PHONE NUMBER TITLE				
Lucy Chavez-Naupoto	435 646-4874	Water Services Technician		
SIGNATURE N/A		<b>DATE</b> 10/21/2013		



September 2, 2011

Mr. Mark Reinbold State of Utah Division of Oil, Gas and Mining 1594 W North Temple Salt Lake City, Utah 84114-5801

RE:

Permit Application for Water Injection Well

State #12-16-9-16

Monument Butte Field, Lease #ML-16532 Section 16-Township 9S-Range 16E

Duchesne County, Utah

Dear Mr. Reinbold:

Newfield Production Company herein requests approval to convert the State #12-16-9-16 from a producing oil well to a water injection well in the Monument Butte (Green River) Field.

I hope you find this application complete; however, if you have any questions or require additional information, please contact me at (303) 893-0102.

Sincerely,

Eric Sundberg Regulatory Lead

RECEIVED
SEP 07 2011

DIV. OF OIL, GAS & MINING

# NEWFIELD PRODUCTION COMPANY APPLICATION FOR APPROVAL OF CLASS II INJECTION WELL

STATE #12-16-9-16

MONUMENT BUTTE FIELD (GREEN RIVER) FIELD

**LEASE #ML-16532** 

**SEPTEMBER 2, 2011** 

RECEIVED
SEP 07 2011

DIV. OF OIL, GAS & MINING

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#### STATE OF UTAH DIVISION OF OIL, GAS AND MINING

**ADDRESS** 

Comments:

#### APPLICATION FOR INJECTION WELL - UIC FORM 1

1001 17th Street, Suite 2000

Denver, Colorado 80202

OPERATOR Newfield Production Company

Well Name and number: State #12-16-9-16			
	ease No.	ML-16532	
Well Location: QQnwswsection16township9Srange	16E	county	Duchesne
Is this application for expansion of an existing project? Yes [ X ] No	[]		
Will the proposed well be used for:  Enhanced Recovery? Yes [ X ] No [ Disposal? Yes [ ] No [ Storage? Yes [ ] No [	X ]		
Is this application for a new well to be drilled?  If this application is for an existing well, has a casing test been performed on the well?	_		
Proposed injection interval: from 3957 to 5766  Proposed maximum injection: rate 500 bpd pressure 1606 psig  Proposed injection zone contains [x ] oil, [ ] gas, and/or [ ] fresh water within 1/2 mile of the well.			
IMPORTANT: Additional information as required by R615-5-2 accompany this form.	? should		
List of Attachments: Attachments "A" through "H-1"			
I certify that this report is true and complete to the best of my knowledge.			
Name: Eric Sundberg Signature Title Regulatory Lead Date 9/1/11 Phone No. (303) 893-0102			<b>-</b> 
(State use only)			

#### State 12-16-9-16

Spud Date: 04-17-08 Put on Production: 06-10-08 GL: 5950' KB: 5962'

#### SURFACE CASING

CSG SIZE: 8-5/8" GRADE: J-55 WEIGHT: 24# LENGTH: 7jts (313.7') DEPTH LANDED: 323' HOLE SIZE: 12-1/4"

CEMENT DATA: To surface with 160 sx Class 'G' cmt

#### PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 141 jts
HOLE SIZE: 7-7/8"
DEPTH LANDED: 5787.23'

CEMENT DATA: 300 sx Premlite II and 400 sx 50/50 Poz.

CEMENT TOP AT: 180'

#### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#

NO. OF JOINTS: 180jts

TUBING ANCHOR: 2.80 @5543.59 kb

NO. OF JOINTS:1jt SEATING NIPPLE: 1.10' SN LANDED AT: 5578.11' NO. OF JOINTS: 2jts (61.90')

TOTAL STRING LENGTH: EOT @ 5640.46\*

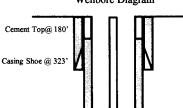
#### Proposed Injection Wellbore Diagram

Packer @ 3958' 4008-4015' 4116-4124'

> 4698-4706' 4902-4910' 5046-5067' 5194 -5202'

5544-5574'

PBTD @ 5766'
TD @ 5790'



#### FRAC JOB

06-02-08 5544-5574' Frac CP1 sds as follows: 129,858# 20/40 sand in 990 bbls of Lightning 17 fluid. Treated w/ ave pressure of 1557 psi w/ ave rate of 25.7 BPM. ISIP 1756 psi. Actual Flush: 4956 gals.

06-02-08 5194-5202 Frac LODC sds as follows: 40,109# 20/40 sand in 426 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2182 psi w/ ave rate of 26.5 BPM. ISIP 2297 psi. Actual Flush: 4687 gals.

06-02-08 5046-5067° Frac A1 sds as follows: 140,344# 20/40 sand in 1049 bbls of Lightning 17 fluid. Treated w/ ave pressure of 1990 psi w/ ave rate of 28.3 BPM. ISIP 2225 psi. Actual Flush: 4540 gals.

**06-02-08 4902-4910'** Frac B2 sds as follows: 48,476# 20/40 sand in 464 bbls of Lightning 17 fluid. Treated w/ ave pressure of 1990 psi w/ ave rate of 26.2 BPM. ISIP 2071 psi. Actual Flush: 4456 gals.

**06-02-08 4698-4706'** Frac D2 sds as follows: 55,518# 20/40 sand in 489 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2128 psi w/ ave rate of 26.2 BPM. ISIP 2145 psi. Actual Flush: 4183 gals.

06-02-08 4116-4124' Frac GB4 sds as follows: 22,357#20/40 sand in 326 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2230 psi w/ ave rate of 24.0 BPM. ISIP 1880 psi. Actual Flush: 3675 gals.

**06-02-08 4008-4015'** Frac GB2 sds as follows: 17,193# 20/40 sand in 264 bbls of Lightning 17 fluid. Treated w/ ave pressure of 1778 psi w/ ave rate of 24.3 BPM. ISIP 1632 psi. Actual Flush: 3931 gals.

## NEWFIELD

State 12-16-9-16
2034' FSL & 504' FWL
NW/SW Section 16-T9S-R16E
Duchesne Co, Utah
API #43-013-33852; Lease #Utah State ML-16532

#### PERFORATION RECORD

4008-4015 4 JSPF 28 holes 4116-4124' 4 JSPF 32 holes 4698-4706 4 JSPF 32 holes 4902-4910' 4 JSPF 32 holes 5046-5067 4 JSPF 84 holes 5194-5202' 4 JSPF 32 holes 5544-5574' 4 JSPF 120 holes

#### WORK PROCEDURE FOR INJECTION CONVERSION

- 1. Rig up hot oil truck to casing. Pump water. Unseat pump. Flush rods. Trip out of hole with rods and pump.
- 2. Trip out of hole with tubing, breaking and doping every connection. Trip in hole with packer and tubing. Rig up water truck to casing. Pump packer fluid. Set packer.
- 3. Test casing and packer.
- 4. Rig down and move out.

## REQUIREMENTS FOR INJECTION OF FLUIDS INTO RESERVOIRS RULE R615-5-1

- 1. Operations to increase ultimate recovery, such as cycling of gas, the maintenance of pressure, the introduction of gas, water or other substances into a reservoir for the purpose of secondary or other enhanced recovery or for storage and the injection of water into any formation for the purpose of water disposal shall be permitted only by order of the Board after notice and hearing.
- 2. A request for agency action for authority for the injection of gas, liquified petroleum gas, air, water or any other medium into any formation for any reason, including but not necessarily limited to the establishment of or the expansion of waterflood projects, enhanced recovery projects, and pressure maintenance projects shall contain:
  - 2.1 The name and address of the operator of the project.

Newfield Production Company 1001 17<sup>th</sup> Street, Suite 2000 Denver, Colorado 80202

2.2 A plat showing the area involved and identifying all wells, including all proposed injection wells, in the project area and within one-half mile of the project area.

See Attachment A.

2.3 A full description of the particular operation for approval is requested.

Approval is requested to convert the State #12-16-9-16 from a producing oil well to a water injection well in Monument Butte (Green River) Field.

2.4 A description of the pools from which the identified wells are producing or have produced.

The proposed injection well will inject into the Green River Formation.

2.5 The names, description and depth of the pool or pools to be affected.

The injection zone is in the Green River Formation. For the State #12-16-9-16 well, the proposed injection zone is from Garden Gulch to Castle Peak (3957' - 5766'). The confining strata directly above and below the injection zones are the Garden Gulch and the top of the Wasatch Formation or TD, which ever is shallower. The Garden Gulch Marker top is at 3635' and the TD is at 5790'.

2.6 A copy of a log of a representative well completed in the pool.

The referenced log for the State #12-16-9-16 is on file with the Utah Division of Oil, Gas and Mining.

2.7 A statement as to the type of fluid to be used for injection, its source and the estimated amounts to be injected daily.

The primary type and source of fluid to be used for injection will be culinary water commingled with produced water. The average estimated injection of fluids will be at a rate of 300 BPD, and the estimated maximum injection will be at a rate of 500 BPD.

2.8 A list of all operators and surface owners within one-half mile radius of the proposed project.

See Attachment B.

2.9 An affidavit certifying that said operators or owners and surface owners within a one-half mile radius have been provided a copy of the petition for injection.

See Attachment C.

2.10 Any additional information the Board may determine is necessary to adequately review the petition.

Newfield Production Company will supply any additional information requested by the Utah Division of Oil, Gas and Mining.

4.0 Establish recovery projects may be expanded and additional wells placed on injection only upon authority from the Board after notice and hearing or by administrative approval.

This proposed injection well is on a State lease (Lease #ML-16532) in the Monument Butte Federal (Green River) Field, and this request is for administrative approval.

#### REQUIREMENTS FOR CLASS II INJECTION WELLS INCLUDING WATER DISPOSAL, STORAGE AND ENHANCED RECOVERY WELLS SECTION V – RULE R615-5-2

- 1. Injection well shall be completed, equipped, operated, and maintained in a manner that will prevent pollution and damage to any USDW, or other resources and will confine injected fluids to the interval approved.
- 2. The application for an injection well shall include a properly completed Form DOGM-UIC-1 and the following:
  - 2.1 A plat showing the location of the injection well, all abandoned or active wells within a one-half mile radius of the proposed wells, and the surface owner and the operator of any lands or producing leases, respectively, within a one-half mile radius of the proposed injection well.

See Attachments A and B.

2.2 Copies of electrical or radioactive logs, including gamma ray logs, for the proposed well run prior to the installation of casing and indicating resistivity, spontaneous potential, caliper and porosity.

All logs are on file with the Utah Division of Oil, Gas and Mining.

2.3 A copy of a cement bond or comparable log run for the proposed injection well after casing was set and cemented.

A copy of the cement bond log is on file with the Utah Division of Oil, Gas and Mining.

2.4 Copies of logs already on file with the Division should be referenced, but need not be refiled.

All copies of logs are on file with the Utah Division of Oil, Gas and Mining.

2.5 A description of the casing or proposed casing program of the injection well and of the proposed method for testing the casing before use of the well.

The casing program is 8-5/8", 24# surface casing run to 323' KB, and 5-1/2", 15.5# casing run from surface to 5787' KB. A casing integrity test will be conducted at the time of conversion. See Attachment E.

2.6 A statement as to the type of fluid to be used for injection, its source and estimated amounts to be injected daily.

The primary type and source of fluid to be used for injection will be culinary water commingled with produced water. The estimated average rate of injection will be 300 BPD, and the estimated maximum rate of injection will be 500 BPD.

2.7 Standard laboratory analysis of the fluid to be injected, the fluid in the formation into which the fluid is being injected, and the compatibility of the fluids.

See Attachment F.

#### The proposed average and maximum injection pressures.

The proposed average injection pressure will be approximately 1100 psig and the maximum injection pressure will not exceed 1606 psig.

2.8 Evidence and data to support a finding that the proposed injection well will not initiate fractures through the overlying strata or a confining interval that could enable the injected fluid or formation fluid to enter the fresh water strata.

The minimum fracture gradient for the State #12-16-9-16, for existing perforations (4008' - 5574') calculates at 0.84 psig/ft. The maximum injection pressures will be limited so as not to exceed this gradient. A step rate test will be performed periodically to ensure we are below parting pressure. The proposed maximum injection pressure is 1606 psig. We may add additional perforations between 3635' and 5790'. See Attachments G and G-1.

2.9 Appropriate geological data on the injection interval and confining beds, including the geologic name, lithologic description, thickness, depth, and lateral extent.

In the State #12-16-9-16, the proposed injection zone (3957' - 5766') is in the Garden Gulch to the Castle Peak of the Green River Formation. The reservoir is a very fine-grained sandstone with minor imbedded shale streaks. The estimated porosity is 13%. The members are composed of porous and permeable lenticular calcareous sandstone and low porosity carbonates and calcareous shale. The porous and lenticular sandstone varies in thickness from 0-31' and is confined to the Monument Butte Federal Field. Outside the Monument Butte Federal Field, the sandstone is composed of tight, very fine, silty, calcareous sandstone, less than 3' thick. The stratum confining the injection zone is composed of tight, moderately calcareous, sandy lacustrine shale. All of the confining strata are impermeable, and will effectively seal off the oil, gas, and water of the injection zone from any strata directly above or below it.

2.10 A review of the mechanical condition of each well within a one-half mile radius of the proposed injection well to assure that no conduit exists that could enable fluids to migrate up or down the wellbore and enter the improper intervals.

See Attachments E through E-10.

Additionally, the injection system will be equipped with high and low pressure shut down devices that will automatically shut in injection waters if a system blockage or leakage occurs. One way check valves will also ensure proper flow management. Relief valves will also be utilized for high-pressure relief.

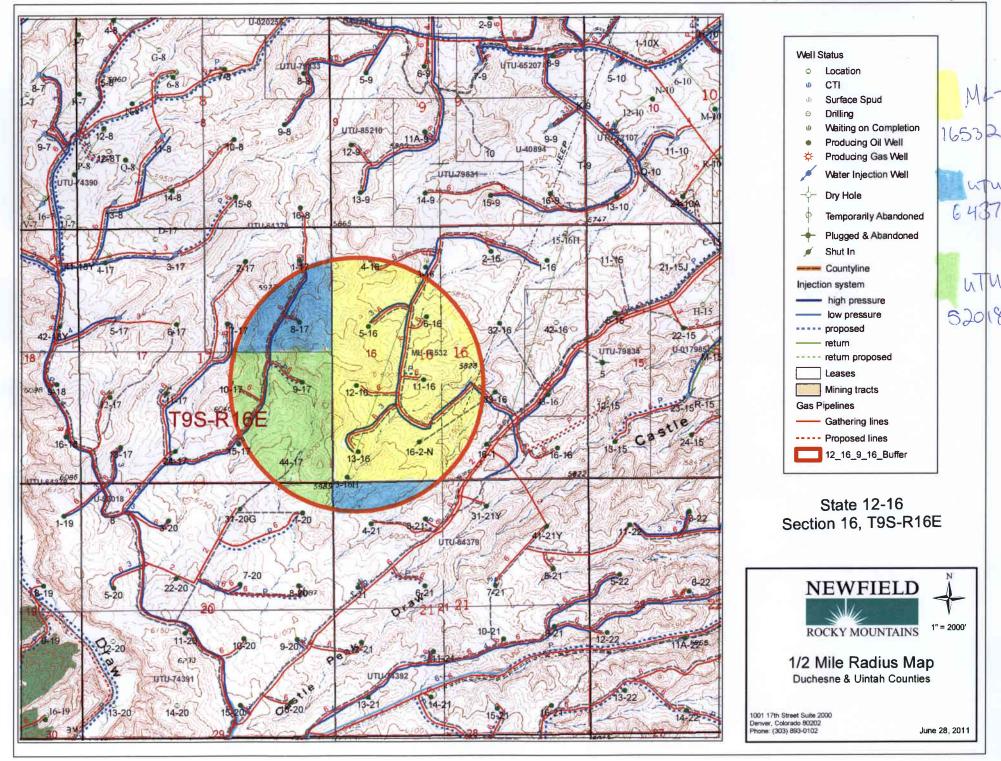
2.11 An affidavit certifying that a copy of the application has been provided to all operators or owners, and surface owners within a one-half mile radius of the proposed injection well.

See Attachment C.

2.12 Any other information that the Board or Division may determine is necessary to adequately review the application.

Newfield Production Company will supply any requested information to the Board or Division.

## ATTACHMENT A



#### T9S, R16E, S.L.B.&M. N89'50'W - 80.24 (G.L.O.) N89'44'08"W - 2652.95' (Meas.) S89°51'34"W - 2640.03' (Meas.) 1910 5/8" Rebar Brass Cap Brass Cap WELL LOCATION: 9 MILE 12-16-9-16 ELEV. UNGRADED GROUND = 5950.0 1910 Brass Cap 1910 Brass Cap DRILLING WINDOW 1910 3/8" Rebar Brass Cap S89°53'57"W - 2655.80' (Meas.) S89'52'59"W - 2655.45' (Meas.) 1910 V Brass Cap $N89^{57}W - 80.00 (G.L.O.)$ 9 MILE 12-16-9-16 = SECTION CORNERS LOCATED (Surface Location) NAD 83 $LATITUDE = 40^{\circ} 01' 45.11''$ BASIS OF ELEV: LONGITUDE = 110° 07' 55.06' U.S.G.S. 7-1/2 min QUAD (MYTON SE)

#### NEWFIELD PRODUCTION COMPANY

WELL LOCATION, 9 MILE 12-16-9-16, LOCATED AS SHOWN IN THE NW 1/4 SW 1/4 OF SECTION 16, T9S, R16E, S.L.B.&M. DUCHESNE COUNTY, UTAH.



THIS IS TO CERTIFY THAT THE ABOVE PER WAS PREPARED FROM FIELD OF ACTUME SURVEYS MADE BY ME OR UNDER ANY SUPERVISION AND THAT THE SAME ARE TRUE AND FORRECT TO THE BEST O MY KNOWLEDGE AND FORECT TO THE BEST O

REGISTER D LAND SURVEYOR REGISTRA PONCHO.
STATE OF BEAM TE OF

#### TRI STATE LAND SURVEYING & CONSULTING

180 NORTH VERNAL AVE. - VERNAL, UTAH 84078 (435) 781-2501

DATE SURVEYED: 10-11-07	SURVEYED BY: C.M.
DATE DRAWN: 11-02-07	DRAWN BY: F.T.M.
REVISED:	SCALE: 1" = 1000'

#### **EXHIBIT B**

#	Legal Description	Lessor & Expiration	Lessee & Operating Rights	Surface Owner
1	T9S-R16E SLM	State of Utah	QEP Energy Company	State of Utah
	Section 16: ALL	ML 16532	El Paso E&P Company, LP	
		НВР	El Paso Production Oil & Gas	
			Company	
			American Petroleum Corporation	
			Brave River Production	
			Trans Republic Resources Inc	
			Newfield RMI LLC	
2	T9S-R16E SLM	USA	Newfield Production Company	USA
	Section 8: SWNE, SE	UTU-64379	Newfield RMI LLC	
	Section 9: SWSW	HBP	Yates Petroleum Corporation	
	Section 17: NE			
	Section 18: E2SW, SE, Lots 3,4			
	Section 19: NE, E2NW, Lots 1,2			
	Section 21: N2			
	Section 22: W2NE, SENE, NW			
3	T9S-R16E SLM	USA	Newfield Production Company	USA
	Section 17: S2	UTU-52018	Newfield RMI LLC	
	Section 20: N2	HBP		

State 12-16 Page 1 of 1

#### ATTACHMENT C

#### CERTIFICATION FOR SURFACE OWNER NOTIFICATION

### ATTACHMENT E

#### State 12-16-9-16

Spud Date: 04-17-08 Put on Production: 06-10-08 GL: 5950' KB: 5962'

#### Wellbore Diagram

Cement Top@ 180

Casing Shoe @ 323'

#### SURFACE CASING

CSG SIZE: 8-5/8"

GRADE: J-55

WEIGHT: 24#

LENGTH: 7jts (313.7')

DEPTH LANDED: 323'

HOLE SIZE: 12-1/4"

CEMENT DATA: To surface with 160 sx Class 'G' cmt

#### PRODUCTION CASING

CSG SIZE: 5-1/2" GRADE: J-55 WEIGHT: 15.5# LENGTH: 141jts HOLE SIZE: 7-7/8"

DEPTH LANDED: 5787.23'

CEMENT DATA: 300 sx Premlite II and 400 sx 50/50 Poz.

CEMENT TOP AT: 180'

#### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#

NO. OF JOINTS: 180jts

TUBING ANCHOR: 2.80 @5543.59'kb

NO. OF JOINTS:1jt SEATING NIPPLE: 1.10' SN LANDED AT: 5578.11' NO. OF JOINTS: 2jts (61.90')

TOTAL STRING LENGTH: EOT @ 5640.46°

#### SUCKER RODS

POLISHED ROD: 1-1/2" x 26'

SUCKER RODS:1- 2' x %" pony sub, 100- %" guided rods, 97- %" plain rods, 20- %" guided rods, 6- 1 %" weight rods

PUMP SIZE: 1-1/2" x 2-1/2" x 16' x 18' RHAC pump rod pump.

STROKE LENGTH: 86 PUMP SPEED, SPM: 5

## SN @ 5578'

## NEWFIELD

State 12-16-9-16 2034' FSL & 504' FWL NW/SW Section 16-T9S-R16E Duchesne Co, Utah

API #43-013-33852; Lease #Utah State ML-16532

#### FRAC JOB

4008-4015° 4116-4124°

4698-4706

4902-4910'

5046-5067

5194 - 5202

Anchor @ 5544' 5544-5574'

EOT @ 5640'

PBTD @ 5766' TD @ 5790' 06-02-08 5544-5574' Frac CP1 sds as follows: 129,858# 20/40 sand in 990 bbls of Lightning 17 fluid. Treated w/ ave pressure of 1557 psi w/ ave rate of 25.7 BPM. ISIP 1756 psi. Actual Flush: 4956 gals.

06-02-08 5194-5202' Frac LODC sds as follows: 40,109# 20/40 sand in 426 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2182 psi w/ ave rate of 26.5 BPM. ISIP 2297 psi. Actual Flush: 4687 gals.

06-02-08 5046-5067' Frac A1 sds as follows: 140,344# 20/40 sand in 1049 bbls of Lightning 17 fluid. Treated w/ ave pressure of 1990 psi w/ ave rate of 28.3 BPM. ISIP 2225 psi. Actual Flush: 4540 gals.

**06-02-08 4902-4910'** Frac B2 sds as follows: 48,476# 20/40 sand in 464 bbls of Lightning 17 fluid. Treated w/ ave pressure of 1990 psi w/ ave rate of 26.2 BPM. ISIP 2071 psi. Actual Flush: 4456 gals.

06-02-08 4698-4706' Frac D2 sds as follows: 55,518# 20/40 sand in 489 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2128 psi w/ ave rate of 26.2 BPM. ISIP 2145 psi. Actual Flush: 4183 gals.

06-02-08 4116-4124' Frac GB4 sds as follows: 22,357# 20/40 sand in 326 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2230 psi w/ ave rate of 24.0 BPM. ISIP 1880 psi. Actual Flush: 3675 gals.

06-02-08 4008-4015' Frac GB2 sds as follows: 17,193# 20/40 sand in 264 bbls of Lightning 17 fluid. Treated w/ ave pressure of 1778 psi w/ ave rate of 24.3 BPM. ISIP 1632 psi. Actual Flush: 3931 gals.

#### PERFORATION RECORD

4008-4015'	4 JSPF	28 holes
4116-4124'	4 JSPF	32 holes
4698-4706'	4 JSPF	32 holes
4902-4910'	4 JSPF	32 holes
5046-5067'	4 JSPF	84 holes
5194-5202'	4 JSPF	32 holes
5544-5574	4 JSPF	120 holes

#### State 4-16-9-16

Spud Date: 4/1/08 Put on Production: 6/3/08 Wellbore Diagram GL: 5881' KB: 5893' SURFACE CASING CSG SIZE: 8-5/8" GRADE: J-55 Cement Top @48 WEIGHT: 24# LENGTH: 7jts (300.96') DEPTH LANDED: 312.81' KB HOLE SIZE: 12-1/4" CEMENT DATA: 1- 160, sxs Class "G" cmt, est 6 bbls cmt to surf. PRODUCTION CASING CSG SIZE: 5-1/2" GRADE: J-55 WEIGHT: 15.5# LENGTH: 158its 5819.28 HOLE SIZE: 7-7/8' DEPTH LANDED: 5832.53' CEMENT DATA: 300 sx Premlite II and 400 sx 50/50 Poz CEMENT TOP AT: 48' **TUBING** 4778-4791 SIZE/GRADE/WT.: 2 7/8" /J-55 /6.5# NO. OF JOINTS: 175 jts 5182.02 4842-4856 TUBING ANCHOR: 5194.02' NO. OF JOINTS: 1jt (31.52') SEATING NIPPLE: 2 7/8" 4916-4925 SN LANDED AT: 5228.29' NO. OF JOINTS: 2jts 62.47 TOTAL STRING LENGTH: EOT@ 5292.31' 5108-5114' SUCKER RODS 5126-5132 POLISHED ROD: 1 1/2" x 26' polished rod SUCKER RODS: 1-2', 8' x 3/4" pony subs, 99-3/4" guided rods, 83-3/4" plain rods, 20-3/4" guided rods, 6-1 1/2" weight bars Anchor @ 5194' PUMP SIZE: 2 1/2" x 1 1/2" x 12' x 15 1/2' RHAC rod pump CDI STROKE LENGTH: 58 5198-5203 PUMP SPEED, SPM: 5 5209-52283

SN @ 5228

**NEWFIELD** 

State 4-16-9-16 660' FNL & 815' FWL NW/NW Section 16-T9S-R16E Duchesne Co, Utah

API #43-013-33848; Lease #Utah State ML-16532

EOT @5292'

PBTD @ 5788

TD @ 5853'

#### FRAC JOB

Frac LODC sds as follows: 05-28-08 5209-5228' 200,061# 20/40 sand in 1373 bbls of Lightning 17 fluid. Treated w/ ave pressure of 1997 psi w/ ave rate of 27.3 BPM. ISIP 2322 psi. Actual Flush: 4683 gals.

05-28-08 5108-5114' Frac A1 & A3 sds as follows: 120,424# 20/40 sand in 868 bbls of Lightning 17 fluid. Treated w/ ave pressure of 1922 psi w/ ave rate of 27.0 BPM. ISIP 2220 psi. Actual Flush: 4616 gals.

05-28-08 4916-4925' Frac B1 sds as follows:

103-22-06 4710-4725 Frac B1 sus as follows: 54,952# 20/40 sand in 495 bbls of Lightning 17 fluid. Treated w/ ave pressure of 1767 psi w/ ave rate of 23.4 BPM. ISIP 1705 psi. Actual Flush: 4406 gals.

05-28-08 4842-4856' Frac C sds as follows:

115,003# 20/40 sand in 846 bbls of Lightning 17 fluid. Treated w/ ave pressure of 1920 psi w/ ave rate of 23.5 BPM. ISIP 1926 psi. Actual Flush: 4330 gals.

05-28-08 4778-4791 Frac D3 sds as follows:

115,003# 20/40 sand in 846 bbls of Lightning 17 fluid. Treated w/ ave pressure of 1920 psi w/ ave rate of 23.5 BPM. ISIP 1926 psi. Actual Flush: 4679 gals.

3/28/09

Pump Change. Updated r & t details.

6/5/09

Pump Change. Updated rod & tubing

#### PERFORATION RECORD

4778-4791'	4 JSPF	52 holes
4842-4856'	4 JSPF	56 holes
4916-4925'	4 JSPF	36 holes
5108-5114'	4 JSPF	24 holes
5126-5132'	4 JSPF	24 holes
5198-5203'	4 JSPF	20 holes
5209-5228'	4 JSPF	76 holes

DF 8/20/09

#### State 5-16-9-16

Spud Date: 04-07-08 Put on Production: 05-14-08 GL: 5922' KB: 5934'

#### Wellbore Diagram

Cement Top@ 70

Casing Shoe @ 324'

#### SURFACE CASING

CSG SIZE: 8-7/8" GRADE: J-55 WEIGHT: 24# LENGTH: 7 jts. (312.48') DEPTH LANDED: 324' HOLE SIZE: 12-1/4"

CEMENT DATA: 160 sxs Class "G" cmt

#### PRODUCTION CASING

CSG SIZE: 5-1/2' GRADE: J-55 WEIGHT: 15.5# LENGTH: 139jts. (5807.48') HOLE SIZE: 7-7/8"

CEMENT DATA: 300 sk Prem. Lite II mixed & 400 sxs 50/50 POZ.

CEMENT TOP AT: 70'

DEPTH LANDED: 5825'

#### TUBING

SIZE/GRADE/WT .: 2-7/8" / J-55 / 6.5# NO. OF JOINTS: 168 its (5268.1') TUBING ANCHOR: 5268.17 NO. OF JOINTS: 2 its (62.6') SEATING NIPPLE: 2-7/8" (1.10') SN LANDED AT: 5345.51' KB NO. OF JOINTS: 5 jts (155.2') TOTAL STRING LENGTH: EOT @ 5496'

#### SUCKER RODS

POLISHED ROD: 1-1/2" x 26'

SUCKER RODS: 2-4' x 34" pony rods, 94-34" guided rods, 93-34" guided rods, 20-3/4" guided rods, 6-1 1/2" weight bars

SN @ 5346'

PUMP SIZE: 2-1/2" x 1-1/2" x 14' x 18' RHAC

STROKE LENGTH: 102" PUMP SPEED, SPM: 5



State 5-16-9-16 2043' FNL & 758' FWL SWNW Section 16-T9S-R16E Duchesne Co, Utah API #43-013-33849; Lease #Utah State ML-16532

#### FRAC JOB

05-07-08 5698-5706 Frac CP3 sands as follows: Frac with 34586 #'s of 20/40 sand in 434 bbls of Lightning 17 fluid. Treat at an ave pressure of 1941 psi @ 23.2 BPM. ISIP 2046 psi.

Frac LODC sands as follows: 05-07-08 5334-5342

Frac with 24721 #'s of 20/40 sand in 348 bbls of Lightning 17 fluid. Treat at an ave pressure of 2425 psi @ 23.2 BPM. ISIP 2165 psi.

Frac A.5 sands as follows: 05-07-08 5080-50913

Frac with 84098 #'s of 20/40 sand in 666 bbls of Lightning 17 fluid. Treat at an ave pressure of 2065 psi @ 23.2 BPM. ISIP

2582 psi.

Frac B2 sand as follows: 05-07-08 4968-4974

05-07-08 4778-4785

4170-4182

4778-4785

4968-4974 5080-5091'

Anchor @ 5268' 5334-5342'

EOT @ 5496' 5698-5706

PBTD @ 5799' TD @ 5825'

Frac with 24764 #'s of 20/40 sand in 354 bbls of Lightning 17 fluid. Treat at an ave pressure of 3365 psi @ 23.3 BPM. ISIP 2959 psi.

Frac D2 sands as follows:

Frac with 24664 #'s of 20/40 sand in 341 bbls Lightning of 17 fluid. Treat at an ave pressure of 1975 psi @ 23.3 BPM. ISIP 2279 psi.

05-07-08 4170-4182 Frac GB4 sands as follows:

Frac with 59402 #'s of 20/40 sand in 511 bbls of Lightning 17 fluid. Treat at an ave pressure of 1805 psi @ 23.3 BPM. ISIP 1929 psi.

Pump Change. Update rod and tubing 12-18-09

#### PERFORATION RECORD

4170-4182	4 JSPF	48 holes
4778-4785'	4 JSPF	28 holes
4968-4974'	4 JSPF	24 holes
5080-5091'	4 JSPF	44 holes
5334-5342'	4 JSPF	32 holes
5698-5706'	4 JSPF	32 holes

#### State 6-16-9-16

Spud Date: 03-03-08 Put on Production: 05-12-08 GL: 5876' KB: 5888'

SENW Section 16-T9S-R16E
Duchesne Co, Utah
API #43-013-33850; Lease # Utah State ML-16532

#### Wellbore Diagram

#### FRAC JOB SURFACE CASING Frac CP1 sands as follows: CSG SIZE: 8-5/8" Cement Top@ 38' 4-29-08 5548-5574' Frac with 125681 #'s of 20/40 sand in GRADE: J-55 903 bbls of Lightning 17 fluid. Treat at an ave pressure of 1713 psi @ 23.9 BPM. WEIGHT: 24# LENGTH: 10 jts. (321.48') Casing Shoe @ 431' 4-29-08 5086-5094 Frac A1 sands as follows: DEPTH LANDED: 431' Frac with 60763 #'s of 20/40 sand in 507 HOLE SIZE: 12-1/4" bbls of Lightning 17 fluid. Treat at an ave pressure of 2229 psi @ 23.2 BPM. CEMENT DATA: 205 sxs Class "G" cmt ISIP 2405psi. Frac D3 & D2 sands as follows: 4-29-08 4692-4748 Frac with 133141 #'s of 20/40 sand in 962 bbls of Lightning 17 fluid. Treat at an ave pressure of 2005 psi @ 24.6 BPM. ISIP 2005 psi. Frac GB4 & GB6 sand as follows: 4-29-08 4093-4171 PRODUCTION CASING Frac with 43849 #'s 20/40 sand in 426 bbls of Lightning 17 fluid. Treat at an ave pressure of 1908 psi @ 23.2 BPM. ISIP 1900 psi. CSG SIZE: 5-1/2' GRADE: J-55 WEIGHT: 15.5# LENGTH: 137 jts. (5809.35') pump change. Updated tubing and rod 7/14/08 HOLE SIZE: 7-7/8" DEPTH LANDED: 5822.6' 9/9/08 Pump Change. Updated rod &tubing CEMENT DATA: 300 sk Prem. Lite II mixed & 400 sxs 50/50 POZ details CEMENT TOP AT: 38' 3/23/10 Pump change. Updated rod and tubing **TUBING** SIZE/GRADE/WT.: 2-7/8" / J-55 NO. OF JOINTS: 175 jts (5514.2') TUBING ANCHOR: 5526.2' NO. OF JOINTS: 1 jts (31.6') SEATING NIPPLE: 2-7/8" (1.10') SN LANDED AT: 5560.5' KB NO. OF JOINTS: 2 jts (63.0') TOTAL STRING LENGTH: EOT @ 5625' w/12' KB 4093-4099 4125-4130 SUCKER RODS 4166-4171 POLISHED ROD: 1-1/2" x 263 SUCKER RODS: 1-2' x 3/4" pony rod, 3- 12' x 3/4" pony rods, 1- 8' x 3/4" pony rods, 98-3/4" guided rods (4per), 77-3/4" sucker rods, 40-3/4" guided rods (4per), 4692-4708 6-11/2" weight bars 4732-4748 PUMP SIZE: 2-1/2" x 1-1/2" x 14' x 16' RHAC pump STROKE LENGTH: 86' 5086-5094 PUMP SPEED, SPM: 4 PERFORATION RECORD 4093-4099' 4 JSPF 24 holes 4125-4130' Anchor @ 5526' 4 JSPF 20 holes 4166-4171 4 JSPF 20 holes 5548-5574 SN @ 5561' 4692-4708' 4 JSPF 64holes 4732-4748' 4 JSPF 64 holes EOT @ 5625' 5086-5094" 4 JSPF 32 holes 5548-5574 4 JSPF PBTD @ 58017 NEWFIELD TD @ 5820' SHALL State 6-16-9-16 1849' FNL & 1974' FEL

#### State 11-16-9-16

Spud Date: 07-16-08 Put on Production: 08-27-08 GL: 5907' KB: 5919'

#### Wellbore Diagram

#### FRAC JOB SURFACE CASING CSG SIZE: 8-5/8" Cement Top@40 08-18-08 5528-5550\* Frac CP1 sands as follows: Frac with 85230 #'s of 20/40 sand in 662 GRADE: J-55 bbls of Lightning 17 fluid. Treat at an ave pressure of 1430 psi @ 23.3 BPM. ISIP WEIGHT: 24# 1935 psi. LENGTH: 10 its. (403.45') Casing Shoe @ 413' 08-18-08 5174-5188 Frac LODC sands as follows: DEPTH LANDED: 413.45' Frac with 35330 #'s of 20/40 sand in 371 HOLE SIZE: 12-1/4" bbls of Lightning 17 fluid. Treat at an ave pressure of 3100 psi @ 20.1 BPM. ISIP CEMENT DATA: 218 sxs Class "G" cmt 4026 psi. 08-18-08 5050-5092 Frac A1 sands as follows: Frac with 84924 #'s of 20/40 sand in 701 bbls Lightning 17 fluid. Treat at an ave pressure of 1705 psi @ 23.2 BPM. ISIP 2112 psi. 08-18-08 4684-4756' Frac D2 & D3 sands as follows: PRODUCTION CASING Frac with 50386 #'s of 20/40 sand in 440 bbls of Lightning 17 fluid. Treat at an CSG SIZE: 5-1/2" ave pressure of 1826 psi @ 23.1 BPM. GRADE: J-55 ISIP 2101 psi. WEIGHT: 15.5# Frac GB6 sands as follows: 08-18-08 4170-4180 LENGTH: 139 jts. (5809.54') Frac with 39122 #'s of 20/40 sand in 370 bbls of Lightning 17 fluid. Treat at an ave pressure of 1873 psi @ 23.1 BPM. ISIP 1993 psi. HOLE SIZE: 7-7/8" DEPTH LANDED: 5822,14' Pump Change. Updated rod &tubing 9/10/08 CEMENT DATA: 300 sk Prem. Lite II mixed & 400 sxs 50/50 POZ. CEMENT TOP AT: 40' **TUBING** SIZE/GRADE/WT.: 2-7/8" / J-55 NO. OF JOINTS: 179 jts (5498.10') TUBING ANCHOR: 5510.10\* NO. OF JOINTS: 1 its (31.40') SEATING NIPPLE: 2-7/8" (1.10') SN LANDED AT: 5543.77' KB NO. OF JOINTS: 2 jts (61.22') TOTAL STRING LENGTH: EOT @ 5606.54' w/12' KB 4170-4180 SUCKER RODS POLISHED ROD: 1-1/2" x 26' SUCKER RODS: 1-2', 4' x 1/4" pony subs, 110- 1/4" guided rods, 96- 1/4" slick 4684-4700 rods, 20- 3/" guided rods, 6- 1 1/2" weight rods 4748-4756' PUMP SIZE: 2-1/2" x 1-1/2" x 16' x 18' RHAC STROKE LENGTH: 86" 5050-50661 PUMP SPEED, SPM: 4.75 5074-5092 5174-5188 PERFORATION RECORD 4170-4180' 4 ISPF 40 holes 4684-4700 4 JSPF 64 holes 4748-4756 4 JSPF 32 holes Anchor @ 5510' 5050-50663 4 JSPF 64 holes 5528-5550 SN @ 5544' -5074-5092' 4 JSPF 72 holes EOT @ 5607' 5174-5188' 4 JSPF 56 holes 5528-5550 4 JSPF **NEWFIELD** PBTD @ 5748 TD@ 5835' State 11-16-9-16 2129' FSL & 1899' FWL NESW Section 16-T9S-R16E Duchesne Co, Utah API #43-013-33851; Lease # ML-16532

#### State 13-16-9-16

Spud Date: 4/9/08

Put on Production: 6/18/08 GL: 5959' KB: 5971'

#### Wellbore Diagram

#### SURFACE CASING

CSG SIZE: 8-5/8" GRADE: J-55 WEIGHT: 24# LENGTH: 7jts (313.38') HOLE SIZE: 12-1/4"

CEMENT DATA: To Surface with 160 sx Class 'G' cmt

#### PRODUCTION CASING

CSG SIZE: 5-1/2" GRADE: J-55 WEIGHT: 15.5# LENGTH: 132its HOLE SIZE: 7-7/8" DEPTH LANDED: 5763-293

CEMENT DATA: 275 sx Premlite II and 400 sx 50/50 Poz

CEMENT TOP AT: 46'

#### **TUBING**

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5# NO. OF JOINTS: 177 jts (5460.9') TUBING ANCHOR: 5472.9' NO. OF JOINTS: 1jt (31.70') SEATING NIPPLE: 2-7/8" (1.10') SN LANDED AT: 5507.1 kb NO. OF JOINTS: 1 its (31.10') TOTAL STRING LENGTH: EOT @ 5540

#### SUCKER RODS

POLISHED ROD: 1-1/2" x 26' polished rod

SUCKER RODS:  $1 \times \%$ " = 2' pony rods, 113-3/4" = 2825' guided rods, 55-3/4" = 1375' sucker rods, 41 -3/4" = 1025' guided rods, 6-1 1 ½" = 150'sinker

PUMP SIZE: CDI 2-1/2" x 1-1/4" x 12' x 16' RHAC pump

STROKE LENGTH: 100" PUMP SPEED, SPM: 4

### 4694-4701 Anchor @ 5473' 5506-5516'

3978-3986'

4156-4164

4670-4680

5520-55283

EOT @5540\*

PBTD @ 5742'

TD @ 5770'

#### FRAC JOB

06-06-08 5506-5616' Frac CP1 sds as follows:

40,770# 20/40 sand in 426 bbls of Lightning 17 fluid. Treated w/ ave pressure of 1994 psi w/ ave rate of 23.8 BPM. ISIP 2188 psi. Actual Flush: 4914 gals.

06-06-08 4670-4680' Frac D2 sds as follows:

40,545# 20/40 sand in 410 bbls of Lightning 17 fluid. Treated w/ ave pressure of 1811 psi w/ ave rate of 23.8 BPM. ISIP 1920 psi. Actual Flush: 4120 gals.

06-06-08 4156-4164' Frac GB6 sds as follows:  $50,\!204\#\,20/\!40$  sand in 438 bbls of Lightning 17 fluid. Treated w/ ave pressure of 1855 psi w/ ave rate of 24.0 BPM. ISIP 1810 psi. Actual Flush: 3692 gals.

06-06-08 3978-3986' Frac GB2 sds as follows:

30,226# 20/40 sand in 366 bbls of Lightning 17 fluid. Treated w/ ave pressure of 1552 psi w/ ave rate of 15.6 BPM. ISIP 1587 psi.Actual Flush: 3893 gals.

1/6/09 Tubing Leak. Updated rod & tubing

details.

9/30/09 Tubing Leak. Updated rod & tubing Pump Change. Updated rod & tubing. 07/24/10 4/19/2011

Tubing Leak. Updated rods & tubing.

PERFOR.	ATION F	RECORD
3978-3986'	4 JSPF	32 holes
4156-4164'	4 JSPF	32 holes
4670-4680'	4 JSPF	40 holes
4694-4701	4 JSPF	28 holes
5506-5516"	4 JSPF	40 holes
5520-5528'	4 JSPF	32 holes

### **NEWFIELD**

State 13-16-9-16 652' FSL & 524' FWL SW/SW Section 16-T9S-R16E Duchesne Co, Utah API #43-013-33853; Lease #Utah State ML-16532

#### State 16-2N

Spud Date: 10-4-85 Put on Production: 11-15-85

Wellbore Diagram

#### SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 254'
DEPTH LANDED: 276'
HOLE SIZE: 12-1/4"
CEMENT DATA: 185 sxs

#### PRODUCTION CASING

CALLAR FIELD	tikit, u/n.	atmi in (10)	BOLL SIZE	CENTRALNY TEXAS
8-5/8	24#	2541	12-1/4"	185 sas "G" 3% CaCl
5-1/2	15.5	5631	7-7/8"	20 bbl and flush, 200 sxs
				"Bi-fill" & 400 sxs "C" +
				2½ CaCl

Tubing detail
159 jts 2 3/8 J-55 tbg (5475.9')
TA 2.80 (5,493')
1 jts (30.3')
SN 2 3/8 @ 1.10 (5524')
1 jts. (31.3')
1 NC 2 3/8 @ 0.4'
EOT @ 5556'

#### Rod detail

1 ¼ x 22' polished rod 1-4' ¾ pony, 1-6' ¾ pony, 1-8' ¾ pony 103- ¾ guided, 71-3/4 plain rods, 39-3/4 guided rods, 6-1 ½ wt bars 2 x 1 ½ x 12' x 16' RWAC CDI pump 74" SL 4 SPM

### NEWFIELD

State 16-2N 1836' FWL & 801' FSL SE/SW Section 16-T9S-R16E Duchesne County, Utah

API #43-013-31094; Lease #ML-16532

FRAC JOB

DELLE JALENAYT (NO)	ANOTHE THE KIND OF NUMBER 1980
5516-32'	60,000#16/30 sand, 40# gel
5022-57'	60,000# 20/40/sand, 40# gel
4850-68'	45,000≱ 20/40 sand

2/20/09

4850-68

5022-57

TA @ 5493'

5516-32

EOT @ 5556'

PBTD @ 5631'

TD @ 5657'

Tubing leak. Updated rod & tubing details

PERFORATION RECORD

5516,18,20,22,24,26,28,30,32 - 9 Holes 5022,26,30,32,45,53,55,57 - 8 holes 4850,52,54,64,66,68 - 6 Holes

2 SPF - .38"



#### Federal 8-17-9-16

Initial Production: Spud Date: 09/12/06 MCFD, BWPD Put on Production: 11/09/06 Wellbore Diagram K.B.: 5918, G.L.: 5906 FRAC JOB SURFACE CASING Cement Top@ 10' Frac LODC sands as follows: CSG SIZE: 8-5/8" 11/06/06 5295-5304' 30252# 20/40 sand in 392 bbls Lightning 17 GRADE: J-55 frac fluid. Treated @ avg press of 3045 psi WEIGHT: 24# w/avg rate of 24.9 BPM. ISIP 2580 psi. Calc flush: 5302 gal. Actual flush: 4767 gal. LENGTH: 7 jts. (311.03') Casing Shoe @ 323' Frac C sands as follows: 11/06/06 4710-4721' DEPTH LANDED: 323.45' KB 41525# 20/40 sand in 417bbls Lightning 17 frac fluid. Treated @ avg press of 1996 psi HOLE SIZE: 12-1/4" w/avg rate of 25.1BPM. ISIP 1960 psi. Calc CEMENT DATA: 160 sxs Class "G" cmt, est 7 bbls cmt to surf. flush: 4719 gal. Actual flush 4204 gal. Frac GB4 sands as follows: 11/06/06 4105-4114' 21385# 20/40 sand in 280 bbls Lightning 17 frac fluid. Treated @ avg press of 1809 psi w/avg rate of 25.8 BPM. ISIP 1610 psi. Calc flush: 4112 gal. Actual flush: 3637 gal. 11/06/06 3940-4014' Frac GB2 sands as follows: 6828# 20/40 sand in 591 bbls Lightning 17 frac fluid. Treated @ avg press of 1782 psi w/avg rate of 25.3 BPM. ISIP 1505 psi. Calc PRODUCTION CASING CSG SIZE: 5-1/2" flush: 4012 gal. Actual flush:3822 gal. GRADE: J-55 7/23/08 HIT. Rod & tubing updated. WEIGHT: 15.5# LENGTH: 137 jts. (6032.95') DEPTH LANDED: 6046.20' KB HOLE SIZE: 7-7/8" CEMENT DATA: 325 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ CEMENT TOP: 10' **TUBING** SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5# NO. OF JOINTS: 164 jts (5260.26') TUBING ANCHOR: 5272.26' KB NO. OF JOINTS: 1 jts (32.50') SEATING NIPPLE: 2-7/8" (1.10') SN LANDED AT: 5307.56' KB NO. OF JOINTS: 2 jts (66.03') TOTAL STRING LENGTH: EOT @ 5375.14' KB PERFORATION RECORD SUCKER RODS 10/25/06 5295-5304' 36 holes 4 JSPF 11/06/06 5078-50913 52 holes POLISHED ROD: 1-1/2" x 22' SM 3940-3949 11/06/06 4710-4721' 4 JSPF 44 holes SUCKER RODS: 1-8', 2-4' x 3/4" pony rod, 92-3/4" guided rods,81-3/4" plain rods, 30-3/4" scrapered rods, 6-1  $\frac{1}{2}$ " weight rods. 4005-4014 11/06/06 4105-4114 4 ISPF 36 holes 11/06/06 3940-3949' 4105-4114 4 JSPF 36 holes PUMP SIZE: 2-1/2" x 1-1/2" x 14' RHAC w/SM plunger STROKE LENGTH: 84" 4710-4721 PUMP SPEED, 5 SPM: 5078-50913 Anchor @ 5272' 5295-5304' SN 5308 EOT 5375' NEWFIELD PBTD @ 6025' SHOE @ 6046' Federal 8-17-9-16 TD @ 6050' 1944' FNL & 675' FEL SE/NE Section 17-T9S-R16E

Duchesne Co, Utah
API #43-013-33031; Lease #UTU-64379

#### Federal 9-17-9-16

Spud Date: 9-11-06 Put on Production: 11-01-06 GL: 5053', KB: 5065'

Wellbore Diagram

Initial Production: BOPD, MCFD, BWPD

#### GL: 5953' KB: 5965' FRAC JOB SURFACE CASING CSG SIZE: 8-5/8" 10-27-06 5540-5572' Frac CP1 sands as follows: Cement top @ 30 89695# 20/40 sand in 672 bbls Lightning 17 GRADE: J-55 frac fluid. Treated @ avg press of 1635 psi w/avg rate of 24.9 BPM. ISIP 2000 psi. Calc WEIGHT: 24# flush: 5040 gal. Actual flush: 5538 gal. LENGTH: 7 its (310.22') Casing Shoe @ 322' 10-27-06 5236-5256 Frac LODC sands as follows: DEPTH LANDED: 322.07' KB 80345# 20/40 sand in 604 bbls Lightning 17 frac fluid. Treated @ avg press of 2685 psi HOLE SIZE:12-1/4" w/avg rate of 27.3 BPM. ISIP 2560 psi. Calc CEMENT DATA: 160 sxs Class "G" cmt, est 6 bbls cmt to surf flush: 4746 gal. Actual flush: 5234 gal. Frac A 3 sands as follows: 80324# 20/40 sand in 597 bbls Lightning 17 10-27-06 5129-51483 frac fluid. Treated @ avg press of 2175 psi w/avg rate of 24.7 BPM. ISIP 2240 psi. Calc flush: 4923 gal. Actual flush: 4410 gal. PRODUCTION CASING Frac GB4 sands as follows: 10-27-06 4092-4114 CSG SIZE: 5-1/2" 38251# 20/40 sand in 358 bbls Lightning 17 frac fluid. Treated @ avg press of 1410 w/ avg rate of 14.3 BPM. ISIP 1490 psi. Calc GRADE: J-55 WEIGHT: 15.5# flush: 4485 gal. Actual flush: 4410 gal LENGTH: 139 jts. (6032.96') Pump Change, Rod & Tubing detail updated. 2/23/07 DEPTH LANDED: 6044.21' KB 05/27/08 updated rod and tubing detail HOLE SIZE: 7-7/8" CEMENT DATA: 325 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ. 11/23/09 Pump change. Updated rod and tubing detail. CEMENT TOP AT: 30' TUBING SIZE/GRADE/WT .: 2-7/8" / J-55 / 6.5# NO. OF JOINTS: 175 its (5485.5') TUBING ANCHOR: 5485.5' KB NO. OF JOINTS: 2 jts (63.0') SEATING NIPPLE: 2-7/8" (1.10') SN LANDED AT: 5551.2' KB NO. OF JOINTS: 2 its (63.1') TOTAL STRING LENGTH: EOT @ 5616' KB PERFORATION RECORD SUCKER RODS 10-17-06 5540-5572' 4 JSPF 128 holes 10-27-06 5236-5256' 4 JSPF 80 holes POLISHED ROD: 1-1/2" x 22' SM 10-27-06 5129-5148' 4 JSPF 76 holes SUCKER RODS: 1-2'x 3/4" pony rod, 1-6'x 3/4" pony rod, 1-8'x 3/4" pony rod, 10-27-06 4092-4114' 4 JSPF 88 holes 99-34" guided rods, 86-34" guided rods, 30-34" guided rods, 6-11/2" weight 4092-4114' PUMP SIZE: 2-1/2" x 1-1/2" x 12' x 16' RHAC pump STROKE LENGTH: 86' 5129-5148 PUMP SPEED, SPM: 5 SPM 5236-5256 Anchor @ 5486' SN 5551' 5540-5572 EOT @ 5616'

PBTD @ 5998' SHOE @ 6044'

TD @ 6050'



#### Federal 9-17-9-16

2108' FSL & 636' FEL

NE/SE Section 17-T9S-R16E Duchesne Co, Utah

API # 43-013-33032; Lease # UTU-52018

#### FEDERAL 10-17-9-16

Spud Date: 09/01/2006 Put on Production: 10/20/2006

Wellbore Diagram

Cement Top @ 30

Initial Production: BOPD, MCFD, BWPD

### GL: 5995' KB: 6007' SURFACE CASING

CSG SIZE: 8-5/8" GRADE: J-55 WEIGHT: 24# LENGTH: 7 jts. (311.60") DEPTH LANDED: 323.45' KB

HOLE SIZE: 12-1/4"

CEMENT DATA: 160 sxs Class "G" cmt, est 4 bbls cmt to surf.

#### PRODUCTION CASING

CSG SIZE: 5-1/2" GRADE: J-55 WEIGHT: 15.5# LENGTH: 138 jts. (6025.03') DEPTH LANDED: 6038.28' KB

CEMENT DATA: 325 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ.

#### TUBING

HOLE SIZE: 7-7/8"

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#

NO. OF JOINTS: 176 jts (5544.87')

TUBING ANCHOR: 5556.87' KB

NO. OF JOINTS: 1 jts (31.56')

SEATING NIPPLE: 2-7/8" (1.10')

SN LANDED AT: 5591.23' KB

NO. OF JOINTS: 2 jts (63.04')

TOTAL STRING LENGTH: EOT @ 5655.82' KB

#### SUCKER RODS

POLISHED ROD: 1-1/2" x 22' SM

SUCKER RODS:1-4, & 1-8' x  $\,$ %" pony rod,(used) 100-3/4" guided rods,(used) 106-3/4" plain rods,(used) 10-3/4" guided rods,(used) 6-1  $\,$ %" weight bars (used) 10-3/4" guided rods,(used) 6-1  $\,$ %" weight bars (used) 10-3/4" guided rods,(used) 6-1  $\,$ %" weight bars (used) 10-3/4" guided rods,(used) 10-3/4" guided rods

PUMP SIZE: CDI 2-1/2" x 1-1/2" x 12',x 15.5' RHAC

STROKE LENGTH: 86"

PUMP SPEED, 5 SPM:

SN 5591'

#### FEDERAL 10-17-9-16

2102'FSL & 2117' FEL NW/SE Section 17-T9S-R16E Duchesne Co, Utah

API #43-013-33033; Lease #UTU-52018

#### FRAC JOB

10/16/06 5572-5597' Frac CP1 sands as follows: 90,054# 20/40 sand in 666 bbls Lightning 17 frac fluid. Treated @ avg press of 1764 psi w/avg rate of 25 BPM. ISIP 2180 psi. Calc flush: 5570 gal. Actual flush: 5040 gal.

10/16/06 5324-5338'

10/16/06 4909-4916'

10/16/06 4208-4224'

4208-4213

4219-4224

4909-4916'

5324-5338'

Anchor @ 5557'

EOT @ 5656'

PBTD @ 5985'

SHOE @ 6038'

TD @ 6060

#### Frac LODC sands as follows:

74829# 20/40 sand in 575 bbls Lightning 17 frac fluid. Treated @ avg press of 1910 psi w/avg rate of 25 BPM. ISIP 2250 psi. Calc flush: 5322 gal. Actual flush: 4788 gal.

Frac B1 sands as follows: 24,379# 20/40 sand in 304 bbls Lightning 17

24,379# 20/40 sand in 304 bbls Lightning 17 frac fluid. Treated@ avg press of 1930 psi w/avg rate of 24.6 BPM. ISIP 1930 psi. Calflush: 4907 gal. Actual flush: 4368 gal. Frac GB6 sands as follows:

25,861# 20/40 sand in 298 bbls Lightning 17 frac fluid. Treated @ avg press of 1725 psi w/avg rate of 24.9 BPM. ISIP 1775 psi Calc flush: 4206 gal. Actual flush: 4116 gal.

#### PERFORATION RECORD

 10/16/06
 5572-5597'
 4 JSPF
 100 holes

 10/16/06
 5324-5338'
 4 JSPF
 56 holes

 10/16/06
 4909-4916'
 4 JSPF
 28 holes

 10/16/06
 4219-4224'
 4 JSPF
 20 holes

 10/16/06
 4208-4213'
 4 JSPF
 20 holes

TVD TD 6.011

ATTACHMENT F



1553 East Highway 40 Vernal, UT 84078



Sample ID: WA-53132

#### Water Analysis Report

Product

Well Name: south wells draw IF

Sample Point: tank Sample Date: 1 /7 /2011 Sales Rep: Monty Frost Lab Tech: Peter Poulsen

tion Company:	NEWEIEI D	<b>PRODUCTION</b>	(158)
mon Company.	MEAALIEFD	PRODUCTION	(130)

Test Date:	1/24/2011		
Temperature (°F):	100		
Sample Pressure (psig):			
Specific Gravity (g/cm³):	1.0006		
pH:	7.25		
Turbidity (NTU):			
Calculated T.D.S. (mg/L)	5345		
Molar Conductivity (µS/cm):	8099		
Resitivity (Mohm):	1.2347		

Analysis @ Properties in Sample Specifics								
Cations	mg/L	Anions	mg/L					
Calcium (Ca):	31.62	Chloride (CI):	2500.00					
Magnesium (Mg):	15.12	Sulfate (SO <sub>4</sub> ):	88.00					
Barium (Ba):	8.18	Dissolved CO <sub>2</sub> :						
Strontium (Sr):		Bicarbonate (HCO <sub>3</sub> ):	805.00					
Sodium (Na):	1897.00	Carbonate (CO <sub>3</sub> ):						
Potassium (K):		H <sub>2</sub> S:						
iron (Fe):	0.12	Phosphate (PO <sub>4</sub> ):	WAY STATE OF THE S					
Manganese (Mn):	0.02	Silica (SiO <sub>2</sub> ):						
Lithium (Li):		Fluoride (F):						
Aluminum (AI):		Nitrate (NO <sub>3</sub> ):						
Ammonia NH <sub>3</sub> :	•	Lead (Pb):						
, and the second		Zinc (Zn):						
		Bromine (Br):						
		Boron (B):						

		The same	Sca	le Values (	Test Co	nditions -	Potenti	al Amount	of Scale	in lb/1000	bbl	
Test	Conditions	Calcium Ca		Gyps		Calcium CaS		Strontium SrS(		Barium S BaS(		Calculated
Temp °F	Gauge Press.	Sat Index	Scale	CaSe 4	Scale	Sat Index	Scale	Sat Index	Scale	Sat Index	Scale	psi
100		0.76	-0.74	0.00	-1872.00	0.00	-1990.00	-	-	28.50	13.37	1.25
80	0	0.55	-1.54	0.00	-5.19	0.00	-2126.70			43.03	13.55	0.57
100	0	0.76	-0.74	0.00	-3.25	0.00	-1990.00	-	-	28.50	13.37	0.70
120	0	0.98	-0.06	0.00	-1.85	0.00	-1792.60	-		19.32	13.12	0.79
140	0	1.22	0.57	0.00	-0.80	0.00	-1562.50			13.37	12.78	0.89
160	0	1.47	1.15	0.00	0.01	0.00	-1323.40	7		9.43	12.32	1.01
180	0	1.72	1.70	0.00	0.63	0.01	-1092.60	-	-	6.77	11.71	1.11
200	0	1.96	2.21	0.01	1.12	0.01	-881.65	-		4.94	10.90	1.13
220	2.51	2.16	2.69	0.01	1.48	0.01	-703.26	-	-	3.59	9.80	1.14
240	10.3	2.34	3.11	0.01	1.72	0.02	-544.83	-		2.67	8.45	1.17
260	20.76	2.48	3.47	0.01	1.84	0.02	-413.16	-		2.01	6.73	1.19
280	34.54	2.59	3.76	0.01	1.86	0.04	-306.03	-	-	1.53	4.58	1.22
300	52.34	2.65	3.95	0.01	1.79	0.06	-220.34		7.	1.17	1.91	1.25

Conclusions:

Notes:

Calcium Carbonate scale is indicated. See graph for appropriate temperature ranges.

Gypsum Scaling Index is negative from 80°F to 300°F

Calcium Sulfate Scaling Index is negative from 80°F to 300°F

Strontium Sulfate scaling was not evaluated

Barium Sulfate scale is indicated at all temps from 80°F to 300°F

Monday, January 24, 2011

**ATTACHMENT** 

# multi-chem

Sample ID: WA-53132

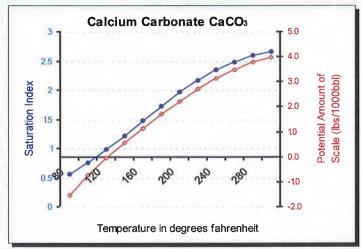
#### Multi-Chem Group, LLC

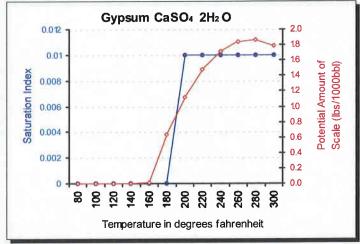
Multi-Chem Analytical Laboratory 1553 East Highway 40 Vernal, UT 84078

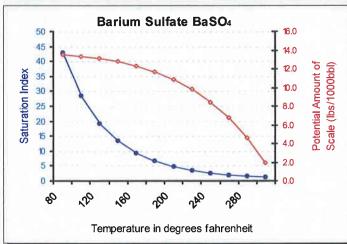
#### **Scale Prediction Graphs**

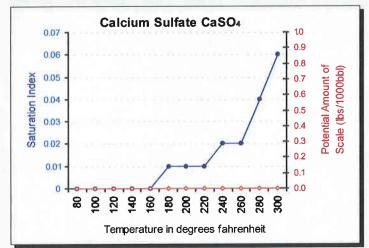
Well Name: south wells draw IF











ATTACHMENT F



#### **Multi-Chem Group, LLC**

Multi-Chem Analytical Laboratory 1553 East Highway 40 Vernal, UT 84078

#### Water Analysis Report

Production Company: NEWFIELD PRODUCTION (158)

Well Name: 12-16-9-16
Sample Point: Treater
Sample Date: 5 /16/2011
Sales Rep: Darren Betts
Lab Tech: John Keel

Sample ID: WA-58630

cs
6/3/2011
70
1.0120
8.7
······································
13351
20228
0.4944

Cations	mg/L	Anions	mg/L
Calcium (Ca):	22.30	Chloride (CI):	8000.00
Magnesium (Mg):	16.80	Sulfate (SO 4):	23.00
Barium (Ba):	9.00	Dissolved CO 2:	
Strontium (Sr):		Bicarbonate (HCO 3):	146.80
Sodium (Na):	5132.00	Carbonate (CO 3):	•
Potassium (K):	•	H <sub>2</sub> S:	0.50
Iron (Fe):	0.30	Phosphate (PO <sub>4</sub> ):	
Manganese (Mn):	0.04	Silica (SiO <sub>2</sub> ):	
Lithium (Li):	-	Fluoride (F):	
Aluminum (AI):	•	Nitrate (NO <sub>3</sub> ):	
Ammonia NH <sub>3</sub> :		Lead (Pb):	
		Zinc (Zn):	
		Bromine (Br):	
		Boron (B):	

		Dette in	Scale Values @ Test Conditions - Potential Amount of Scale in lb/1000bbl									
Test Conditions					Calcium Sulfate CaSO <sub>4</sub>		Strontium Sulfate SrSO 4		Barium Sulfate BaSO4		Calculated CO <sub>2</sub>	
Temp °F	Gauge Press.	Sat Index	Scale	Sat Index	Scale	Sat Index	Scale	Sat Index	Scale	Sat Index	Scale	psi
70	psi	1.05	0.35	0.00	-2632.10		-3034.50	-		12.16	13.57	0.01
80	0	1.24	1.71	0.00	-2657.50	0.00	-2990.60	-		9.65	13.14	0.00
100	0	1.60	3.80	0.00	-2679.20	0.00	-2816.10	-	-	6.48	12.15	0.00
120	0	1.88	5.01	0.00	-2488.90	0.00	-2557.60	-	-	4.62	11.00	0.01
140	0	2.06	5.41	0.00	-2297.40	0.00	-2251.80	-	-	3.34	9.57	0.01
160	0	2.08	5.08	0.00	-2139.60	0.00	-1930.20		-	2.45	7.80	0.01
180	0	1.97	4.24	0.00	-2009.50	0.00	-1616.90	7	-	1.82	5.69	0.01
200	0	1.77	3.15	0.00	-1902.80	0.00	-1327.70		-	1.36	3.19	0.01
220	2.51	1.51	2.03	0.00	-1837.50	0.00	-1084.30	-	-	1.01	0.06	0.01
240	10.3	1.27	1.04	0.00	-1769.30	0.00	-862.90	7	-	0.76	-3.36	0.01
260	20.76	1.05	0.19	0.00	-1715.90	0.00	-676.96		-	0.58	-7.25	0.01
280	34.54	0.86	-0.52	0.00	-1676.00	0.01	-524 15	:=	-	0.45	-11.69	0.01
300	52.34	0.70	-1.11	0.00	-1649.00	0.01	-400.76	-	-	0.35	-16.75	0.01

Conclusions:

Calcium Carbonate NO CONCLUSION

Gypsum Scaling Index is negative from 80°F to 300°F
Calcium Sulfate Scaling Index is negative from 80°F to 300°F

Strontium Sulfate scaling was not evaluated

Barium Sulfate NO CONCLUSION

Notes:

P=1.1

ATTACHMENT F

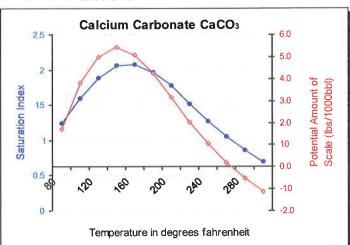


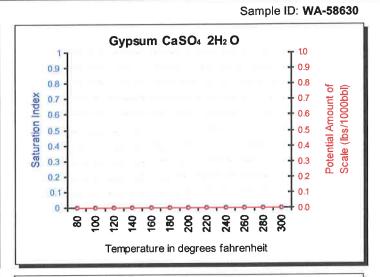
#### Multi-Chem Group, LLC

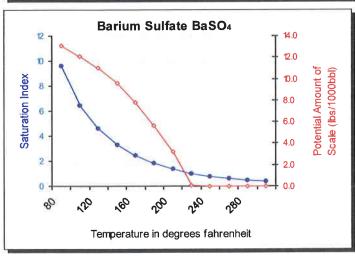
Multi-Chem Analytical Laboratory 1553 East Highway 40 Vernal, UT 84078

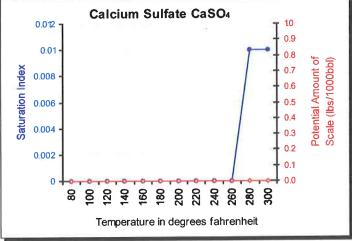
#### Scale Prediction Graphs

Well Name: 12-16-9-16









Multi-Chem Production Chemicals Friday, June 03, 2011

#### **Attachment "G"**

### State #12-16-9-16 Proposed Maximum Injection Pressure

				Calculated	
Frac I	nterval			Frac	
(fe	et)	Avg. Depth	ISIP	Gradient	
Top	<b>Bottom</b>	(feet)	(psi)	(psi/ft)	Pmax
5544	5574	5559	1756	0.75	1720
5194	5202	5198	2297	0.88	2263
5046	5067	5057	2225	0.87	2192
4902	4910	4906	2071	0.86	2039
4698	4706	4702	2145	0.89	2114
4116	4124	4120	1880	0.89	1853
4008	4015	4012	1632	0.84	1606 ◀
				Minimum	1606

Calculation of Maximum Surface Injection Pressure

Pmax = (Frac Grad -(0.433\*1.015)) x Depth of Top Perf where pressure gradient for the fresh water is .433 psi/ft and specific gravity of the injected water is 1.015.

Frac Gradient = (ISIP +(0.433\*Top Perf.))/Top Perf.

**Please note:** These are existing perforations; additional perforations may be added during the actual conversion procedure.



10f14

### DAILY COMPLETION REPORT

WELL NAME:	State 12-16-	9-16	Report Da	te:	-iviay-uo		Day.
Operation:	Completion				Rig:	Rigless	
		WEI	LL STATUS		<del></del>	<del></del>	
Surf Csg: 8 5/8' @	323'		sg: 5 1/2"		5787'	_	: <u>5714' WL</u>
Tbg: Size:	Wt:	Grd:	Pk	r/EOT @:		BP/Sand PBTD	):
		PERFOR	ATION REC	ORD			
<u>Zone</u>	<u>Perfs</u>	SPF/#shots		Zone		<u>Perfs</u>	SPF/#shots
			<u></u>	P1 sds	EEAA	5574'	4/120
			<u></u>	71 808	3344-	3374	4/120
			**********		. <u></u>		
					**************************************		
		CHRONOLO	GICAL OPER	<b>₹ATIONS</b>			
Date Work Perform	ed: <u>28-Ma</u>	<u>y-08</u>			SITP:	SICF	?: <u> </u>
331 Titan) w/ 4 spf fo	or total of 120 shot	5. 137 DWIN.	OIF IV.				
			ECOVERY (E		<u> </u>		
Starting fluid load to Fluid lost/recovered			tarting oil rec il lost/recover				
Ending fluid to be red			um oil recove	=			
IFL: FF	FL: FT	P: Cho	oke:	Fina	I Fluid Rate:	Fina	ıl oil cut:
	STIMULATION	I DETAIL	<del></del>			COSTS	
Base Fluid used:	Jo	ob Type:				erford BOP	\$540
Company:					NF	PC NU crew	\$300
Procedure or Equipm	nent detail:				NI	OSI trucking	\$800
					Perf	orators LLC	\$9,127
			,		Q	Drilling cost	\$355,926
						D&M hot oil	\$480
					Location	<u>preparation</u>	\$300
					NF	PC wellhead	\$1,500
					Bend	o - anchors	\$1,200
					Admir	n. Overhead	\$3,000
<u> </u>					NPC	Supervisor	\$300
Max TP: M	lax Rate:	Total fluid pm	npd:				
Avg TP: A	vg Rate:	Total Prop pr			***************************************		
ISIP:	5 min:	10 min:	15 min:		DAILY		\$373,473
Completion Sup	pervisor: Orso	on Barney			TOTAL W	ELL COST:	\$373,473



20FH

#### **DAILY COMPLETION REPORT**

				Report Date:	6/	3/2008		Day: _	2a
Ope	ration:	Completion				Rig:	Rigless		
			WI	ELL STATUS					
Surf Csg:	8 5/8'	@ 323'	Prod	Csg: <u>5 1/2</u> "	. @	5787'	Csg PBTD:		WL
Tbg:	Size: _	Wt:	Grd: _	Pkr/E	от @: _		BP/Sand PBTD:		
			PERFO	RATION RECOR	<u>D</u>				
<u>Zone</u>		<u>Perfs</u>	SPF/#shots	<u>Zo</u>	<u>ne</u>		<u>Perfs</u>	SPF/#s	<u>hots</u>
				CP1 s	ds	5544-	5574'	4/120	
					***************************************	<u></u>			
	-					<u> </u>			······································
			CHRONOLO	OGICAL OPERAT	IONS	B-0			
Date Work	( Perfoi	rmed: 6/2/20		<u> </u>		SITP:	SICP:	0	
D 0 0		OD4I-				***			
Day 2a, S RU BJ Se 2503 psi. BWTR. Se	ervices. Treated	0 psi on well. Frac ( w/ ave pressure of 1	CP1 sds w/ 12 557 psi w/ ave	9,858#'s of 20/40 e rate of 25.7 BPM	sand ir I. ISIP	n 990 bbls o 1756 psi. L	f Lightning 17 flu eave pressure o	id. Bro n well.	ke @ 1127
Fluid lost/r	ecovere	d today: 990	137	RECOVERY (BBL Starting oil rec to d Oil lost/recovered t	late: today: _				
Ending flui		A		Cum oil recovered: ıoke:	-	Fluid Rate:	 Final (	oil cut:	
		STIMULATION		·	-	·-	COSTS		
Rase Fluid	nsed.		b Type:	Sand frac		F	3J Services	\$39	,701
Company:	-	BJ Services	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		<b>.</b> .	·····	CD trucking		,552
Procedure	or Equi	pment detail: CP	1 sds down cas	sing		NF	PC fuel gas		\$254
3444	gals of	f Techna Hib & to cro	ss link	-		NPC	Supervisor		\$43
9800	gals of	f pad							
6375	gals w	/ 1-5 ppg of 20/40 sai	nd						
1275	50 gals v	w/ 5-8 ppg of 20/40 sa	and						
3768	gals w	/ 8 ppg of 20/40 sand							
504	gals of	15% HCL acid	-						
Flus	h w/ 49	56 gals of slick water			- "				
**Flu	sh calle	d @ blender to includ	e 2 bbls for pu	mp/line volume**	<del></del>				
		Max Rate: 26.0 bpn						A	
-	A-1/	Avg Rate: 25.7 bpn			<b></b>	DAILVO	OCT.	<u>Ф</u> 40	
	: <u>1756</u>	·	10 min: 1 Dulen	FG <u>.75</u>	-	DAILY CO			2,550 3,023
Combi	enon 3	upervisorDor	ו המובוו			· OIVE AAE		Ψ-110	,020



30F14

Day: 2b

#### DAILY COMPLETION REPORT

**WELL NAME:** State 12-16-9-16

Report Date: 6/3/2008

Ope	ration:	Completion			Rig: _	Rigless	
			WELL ST	TATUS			
Surf Csg:	8 5/8'	@ 323'	Prod Csg:	5 1/2" @	5787'	Csg PBTD:	5714' WL
Tbg:	Size:	Wt:	Grd:	Pkr/EOT @: _		BP/Sand PBTD	***************************************
		PERFO	RATION RECORD		-	CBP @ 5	300'
Zone		Perfs	SPF/#shots	Zone	•	Perfs	SPF/#shots
20110		<u> </u>	<u></u>	LODC sds	5194-		4/32
			,	CP1 sds	5544-	5574'	4/120
		<u> </u>					
	_		·		***************************************		······
			CHRONOLOGICA	L OPERATIONS	<u>-</u>		
Date Worl	k Perfor	med: 6/2/20			SITP:	SICP	1238
		LODC sds.			•		
Lightning	17 fluid.	Broke @ 2000 psi. well. 1553 BWTR.	s. 1238 psi on well. Treated w/ ave pres See day 2c.	ssure of 2182 psi v	v/ ave rate	of 26.5 BPM. I	SIP 2297 psi
		B.,					
01			FLUID RECOV				
Fluid lost/				g oil rec to date: /recovered today:			
Ending flu		, , , , , , , , , , , , , , , , , , , ,		I recovered:			
IFL:		FFL: FTF	P:Choke:	Final	Fluid Rate:	Final	oil cut:
		STIMULATION	DETAIL			COSTS	
Base Fluid	used:	Lightning 17 Jo	b Type: Sand	frac	E	3J Services	\$9,579
Company:	B	J Services			(	DD trucking	\$729
Procedure	or Equip	oment detail: LOI	OC sds down casing	****	NE	PC fuel gas	\$79
189	0 gals of	Techna Hib & to cros	ss link		Weath	erford tools	\$2,600
320	0 gals of	pad			The Per	forators, llc	\$2,770
250	gals w	<sup>′</sup> 1-5 ppg of 20/40 sai	nd		NPC	Supervisor	\$43
511	5 gals w/	<sup>'</sup> 5-8 ppg of 20/40 sai	nd				
504	gals of 1	I5% HCL acid					
Flus	h w/ 468	37 gals of slick water					
	,						
			e 2 bbls for pump/line				~
		Max Rate: 27.5 bpn		426 bbls			
_		Avg Rate: 26.5 bpr	<del></del>	40,109#s	DAILY C		\$1E 900
	2297	5 min:	10 min: า Dulen	FG <u>.87</u>		ELL COST:	\$15,800 \$431,823
Comp	せいいけ ろし	ıpervisor: Doı	ı Dultli		JUIAL WE		Ψ



4 of 14

Day: 2c

#### **DAILY COMPLETION REPORT**

WELL NAME: State 12-16-9-16 Report Date: 6/3/2008				Day: 2c						
Opei	ration:	Con	npletion					Rig:	Rigless	
					WELL S	TATUS			*	
Surf Csg:	8 5/8'	@	323'		Prod Csg:		. @ _	5787'		5714' WL
Tbg:	Size:		Wt: _		Grd:	Pkr/E	от @: _		BP/Sand PBTD:	
			PERE	ORATION	RECORD				CBP @ 5140	'. 5300'
<u>Zone</u>		Perf		SPF/#s		Zo	ne		Perfs	SPF/#shots
				2000-000-00-00-00-00-00-00-00-00-00-00-0		LODO			-5202'	4/32
				***************************************		CP1	sds	5544	-5574'	4/120
	<del></del> .			***************************************						
A1 sds		5046-506	7'	4/84		4		,	***************************************	
-				CHRO	NOLOGICA	L OPERAT	<u>IONS</u>			
Date Work	Perfo	rmed:	6/2	2/2008				SITP:	SICP:	1730
RU BJ Ser @ 3414 ps 2602 BWT Starting flu Fluid lost/re	vices. si. Tre R. See	1730 psi ated w/ av e day 2d. to be reco	on well.  ve pressu  vered:  1	Frac A1 sds ure of 1990 FL 1553	s w/ 140,344 psi w/ ave r UID RECON Starting	##'s of 20/4 rate of 28.3  /ERY (BBL g oil rec to c	0 sand BPM. S) date: today:	in 1049 bb ISIP 2225	ill acid (tagged sa Is of Lightning 17 psi. Leave pres	fluid. Brok
Ending flui			·	2602 FTP:		il recovered		Fluid Rate:	Final	oil cut:
IFL							- 1 11101	i iuiu ivate.		
Dana Electri				ON DETAIL Job Type:	Sand	fuon			<u>COSTS</u> BJ Services	\$28,452
Base Fluid Company:		3J Servic		Job Type: _	Sanu	Пас			CD trucking	\$2,728
Procedure				A1 sds dowr	n casing		-		PC fuel gas	\$271
	-	f Techna l			loading				nerford tools	\$2,600
<del>*************************************</del>	0 gals	······································	THD G TO C	71033 IIIIK				······································	rforators, Ilc	\$7,270
v	<del></del>	// 1-5 ppg	of 20/40	cand					Supervisor	\$43
<del></del>				<del></del>				MIC	Oupervisor	Ψτο
<del>~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~</del>	<del>_</del>	w/ 5-8 ppg	<del></del>					<del></del>	······································	
	<del>-</del>	// 8 ppg of		ina						
***************************************	<del></del>	15% HCL							<del></del>	
		40 gals of					×××			
				······································	or pump/line uid pmpd:					
		•			rop pmpd: _			······································		***************************************
_	2225	5 min		10 min:	1- lala.ga.	FG .87		DAILY C	OST:	\$41,364
		uperviso		Oon Dulen		***************************************	<del></del>		ELL COST:	\$473,187



5 of 14

Day: 2d

#### **DAILY COMPLETION REPORT**

**WELL NAME:** State 12-16-9-16

Report Date: 6/3/2008

Ope	ration:	Completion	on				Rig: _	Rigle	ss	
			<del>.</del>	WELL ST	ATUS				<del></del>	
Surf Csg:	<u>8 5/8'</u> @	323'		Prod Csg:	5 1/2"	@ _	5787'	•		5714' WL
Tbg:	Size:	Wt	::G	rd:	Pkr/EO	T @: _		BP/Sand PE	BTD: _	
		PE	RFORATION	RECORD				CBP @ 497	0'. 51	40'. 5300'
Zone		Perfs	SPF/#sl		<u>Zor</u>	<u>1e</u>		Perfs		SPF/#shots
	_				LODC	sds	<u>5194-</u>		-	4/32
					CP1 se	ds	5544-	5574'	_	4/120
B2 sds	490	)2-4910'	4/32	•••••	***************************************	<u></u>			***	
A1 sds		16-5067'	4/84				***************************************		-	
			CHRO	NOLOGICA	L OPERATI	ONS		<del>-</del>		
Date Wor	k Performe	ed:	6/2/2008				SITP:	SI	ICP:	1315
Day 2d, S	Stage #4 B	2 sds.								
RÚ The	Perforators	s, llc WLT, cr	rane & Lubricat	tor. RIH w/	Weatherford	d 5-1/2	" 6K comp	osite flow thr	ough	frac plug 8
8' perf gur	Set plug	@ 4970'. P	erforate B2 sds	s @ 4902-10	D' w/ 3-1/8" (	Slick G	uns (.49"El	H, 19 gram,	120)	w/ 4 spf fc
total of 32	shots. RU	BJ Services	. 2000 psi on	well. Perfs	would not b	oreak.	Dump bail	acid (tagged	d san	d @ 4885"
RU BJ Se	rvices. 13	15 psi on wel	I. Frac B2 sds	w/ 48,476#	's of 20/40 s	sand in	464 bbls o	f Lightning 1	7 flui	d. Broke (
			e of 1990 psi w	v/ ave rate o	it 26.2 BPM.	1512	2071 psi. L	.eave pressu	ire or	well. 306
BVVIR. 5	ee day 2e.									
	·		FL	UID RECOV	ERY (BBLS	<u>s)</u>				
_		be recovered:	<u> </u>	-	oil rec to da					
	ecovered t		<u>464</u> 3066		/recovered to I recovered:	oday:				
IFL:	id to be rec FF		FTP:	Choke:	i recovereu.	Final I	Fluid Rate:	F	inal o	il cut:
		STIMILI A	TION DETAIL				<u> </u>	COSTS		
Base Fluid	lused: L	ightning 17	Job Type:	Sand	frac		E	3J Services		\$11,270
Company:		Services		<u> </u>		_		D trucking	-	\$968
	or Equipm	ent detail:	– B2 sds down	casing		,,,,,,	NF	PC fuel gas		\$96
189	gals of Te	echna Hib & t	to cross link				Weath	erford tools		\$2,600
380	0 gals of pa	ad					The Per	forators, llc		\$2,770
262	5 gals w/ 1	-5 ppg of 20/4	40 sand				NPC	Supervisor		\$43
525	0 gals w/ 5	-8 ppg of 20/4	40 sand			***				
<u>971</u>	gals w/ 8 p	pg of 20/40 s	sand			/www				
504	gals of 15°	% HCL acid				*****				
Flus	h w/ 4456	gals of slick v	water			****				
**FI	ısh called (	@ blender to i	nclude 2 bbls f	or pump/line	volume**	_				
			4 bpm Total fl	•	464 bbls	_				
_			2 bpm Total P	rop pmpd: _	48,476#s	****	m 411 17 -		,	
	P: <u>2071</u>	5 min:	10 min: _		FG <u>.86</u>		DAILY C			\$17,747
Comp	etion Sup	ervisor:	Don Dulen				TOTAL WE	LL COST:		\$490,934



60f14

#### DAILY COMPLETION REPORT

WELL N	IAME:			<u>2e</u>									
Ope	ration:		Comp	letion					Rig:	Rigle	ess		
				<del></del>		WELL S	TATUS						
Surf Csg:	8 5/8'	@	32	3'		Prod Csg:		@	5787'	Csg Pi	BTD:	5714'	WL
Tbg:	Size:			Wt:	(	Grd:	Pkr/E			BP/Sand P			
										44	@ 48		
_				PERFO		RECORD				CBP @ 497			
<u>Zone</u>			<u>Perfs</u>		SPF/#s	<u>shots</u>		<u>one</u> C sds	E10 <i>1</i>	<u>Perfs</u> -5202'		<u>SPF/#s</u> 4/32	snots
	<del>-</del>						CP1			-5202 -5574'		<del>4/32</del> 4/120	
D2 sds		4698	-4706'		4/32		<u> </u>	343	00-1-1			77.120	
B2 sds	<del></del>		-4910'		4/32	······································				······································	•		
A1 sds	-	5046	-5067'		4/84								
					CHRC	NOLOGICA	AL OPERA	TIONS					
Date Worl	k Perfo	rmed	l: _	6/2/2	2008				SITP:	S	ICP:	127	75
pressure of Starting fluid lost/r	n well.	3555 to be	BWTF	ered:	day 2f.	<u>.UID RECO</u> Startir		<u>LS)</u> date: _		BPM. ISIP	2170	poi.	
Ending flui					555		il recovered						
IFL:			-		ΓP:			_	Fluid Rate:	F	Final o	oil cut:	
	······································		STIM	JLATIO	N DETAIL					COSTS	<u> </u>		
Base Fluid	used:	Lig	htning	17 J	ob Type:	Sand	l frac			BJ Services		\$12	2,305
Company:		BJ Se	ervices							CD trucking		\$1	1,056
Procedure	or Equ	ipmeı	nt detail	: D2	2 sds dow	n casing			<u>N</u>	PC fuel gas		,.	\$105
1554	4 gals c	of Tec	hna Hil	o & to cr	oss link			··········	Weath	nerford tools		\$2	2,600
4400	gals c	of pad							The Pe	rforators, llc		\$2	2,770
2944	4 gals v	v/ 1-5	ppg of	20/40 sa	and				NPC	Supervisor		······	\$43
<u>5872</u>	2 gals v	v/ 5-8	ppg of	20/40 sa	and								
1068	3 gals v	v/ 8 p	pg of 20	0/40 san	d								
504	gals of	15%	HCL a	cid								<b></b>	
Flus	h w/ 41	83 ga	als of sl	ick wate	r								
			**************			for pump/lin							
Max TP	: 2320	Max	Rate:	26.5 bp	m Total f	luid pmpd:	489 bbls						

FG .89

DAILY COST:

TOTAL WELL COST:

\$18,879

\$509,813

Avg TP: 2128 Avg Rate: 26.2 bpm Total Prop pmpd: 55,518#s

10 min: \_\_\_\_\_

ISIP: 2145 5 min:

Completion Supervisor: Don Dulen



												0414
					DAIL		TION REP				(	•
WEL	L NAME:	V	Sta	te 12-1	16-9-16	R	eport Date:	6/3	3/2008			Day: <u>2f</u>
Operation:         Completion         Rig:         Rigless           Surf Csg: 8 5/8' @ 323' Prod Csg: 5 1/2" @ 5787' Csg PBTD: 571           Tbg: Size: Wt: Grd: Pkr/EOT @: BP/Sand PBTD: CBP @ 4210', 480           CBP @ 4210', 480           CBP @ 4970', 5140', 51												
		_				WELL S	TATUS		-			
Surf Cs	a: 8 5/8	' @	32	3'				@ _	5787'	_		Q-4
					(	Grd:	Pkr/E	OT @: _				
						DE00DD			_			
_			D f -	PERI			70	no.	***		+970,5	SPF/#shots
Zone	<u> </u>		Peris		<u>3FF/#8</u>	511015						4/32
GB4 sc	ls	4116	-4124'		4/32				5544-	5574'		4/120
		4698	-4706'								••••	
A1 sds		5046	-5067'		4/84		***************************************					
					CHRO	NOLOGIC	AL OPERAT	IONS			0100	4005
Date W	ork Perf	ormed	i: _	6/2	2/2008				SITP:		_SICP:	1895
Leave	oressure	on wel	II. 388 <sup>.</sup>	1 BWT	R. See day	/ 2g. LUID RECO	VERY (BBL	<u>.S)</u>				SIP 1880 psi
	g fluid loa			ered: _	3555 326		ng oil rec to st/recovered					
	<u>st</u> /recove fluid to b				3881		oil recovered					
_					FTP:	Choke:		_ Final	Fluid Rate:		Final	oil cut:
	-		STIM	III ATI	ON DETAIL	<del></del>		<del> </del>		cos	TS	
Base F	luid used:	Lic			Job Type:		d frac		1	3J Service	es_	\$7,070
	ny:		ervices		,,					CD truckir	ng	\$440
•	ure or Eq				GB4 sds do	own casing			N	PC fuel ga	as_	\$44
	-				cross link	-			Weath	erford too	ols	\$2,600
	2500 gals	······································							The Pe	forators, l	llc	\$2,770
	1915 gals			f 20/40	sand				NPC	Supervis	or	\$43
-	3485 gals											
-	504 gals o							<del>-</del>				
-	Flush w/ 3		***************************************		ater							

326 bbls

FG <u>.89</u>

DAILY COST:

TOTAL WELL COST:

\$12,967

\$522,780

\*\*Flush called @ blender to include 2 bbls for pump/line volume\*\*

Avg TP: 2230 Avg Rate: 24.0 bpm Total Prop pmpd: 22,357#s

10 min: \_\_\_\_

Max TP: 2270 Max Rate: 24.3 bpm Total fluid pmpd:

5 min: \_\_\_\_\_

Completion Supervisor: \_\_\_\_\_ Don Dulen

ISIP: 1880



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#### DAILY COMPLETION REPORT

WELL	NAIVIE:	State 12-16-8	9-16 K	eport Date:	0/3	0/2000			Day
Ope	ration:	Completion				Rig:	Riç	gless	
	· .		WELL S	TATUS					
Surf Csg:	8 5/8' @	323'	Prod Csg:	5 1/2"	@	5787'	Csg	PBTD:	5714' WL
Tbg:	Size:	Wt:	Grd:	Pkr/E	от @: ¯		BP/Sand	PBTD:	
J					_		CBP @ 4	065', 42	210', 4800'
		PERFOR	RATION RECORD				CBP @ 4	970', 51	140', 5300'
<u>Zone</u>		Perfs	SPF/#shots	<u>Zo</u>	<u>ne</u>		<u>Perfs</u>		SPF/#shots
GB2 sds	4008	3- <del>4015</del> '	4/28	LODO	C sds_	<u>5194</u>	-5202'	****	4/32
GB4 sds	4116	5-4124'	4/32	CP1 s	sds	5544	-5574'		4/120
D2 sds	4698	3-4706'	4/32						
B2 sds	4902	2-4910'	4/32						
A1 sds	5046	5-5067'	4/84						***************************************
		<del> </del>	CHRONOLOGICA	AL OPERAT	IONS				
Date Wor	k Performe	d: <u>6/2/20</u>	008			SITP:		SICP:	1670
Doy 2a 9	Stago #7 GE	22 ede							

Day 2g, Stage #7 GB2 sds.

RU The Perforators, Ilc WLT, crane & Lubricator. RIH w/ Weatherford 5-1/2" 6K composite flow through frac plug 8 7' perf gun. Set plug @ 4065'. Perforate GB2 sds @ 4008-15' w/ 3-1/8" Slick Guns (.49"EH, 19 gram, 120 ) w/ 4 sp for total of 28 shots. RU BJ Services. 1670 psi on well. Frac GB2 sds w/ 17,193#'s of 20/40 sand in 264 bbls or Lightning 17 fluid. Broke @ 2665 psi. Treated w/ ave pressure of 1778 psi w/ ave rate of 24.3 BPM. ISIP 1632 psi Open well to pit for immediate flowback @ approx. 1 bpm. Well flowed for 5 hrs & died. Recovered 300 bbls. SWIFN.

FLUID RECOVERY (BBLS)		
Starting fluid load to be recovered: 3881 Starting oil rec to date: Fluid lost/recovered today: 36 Oil lost/recovered today Ending fluid to be recovered: 3917 Cum oil recovered:	/:	Final oil cut:
STIMULATION DETAIL	COSTS	<u> </u>
Base Fluid used: Lightning 17 Job Type: Sand frac	BJ Services	\$31,051
Company: BJ Services	CD trucking	\$264
Procedure or Equipment detail: GB2 sds down casing	NPC fuel gas	\$26
1638 gals of Techna Hib & to cross link	Weatherford tools	\$2,600
1500 gals of pad	The Perforators, llc	\$2,424
1149 gals w/ 1-4 ppg of 20/40 sand	NPC Supervisor	\$43
2887 gals w/ 4-6.5 ppg of 20/40 sand	NPC flowback hand	\$150
Flush w/ 3931 gals of slick water	Unichem chemicals	\$400
	Monk's pit reclaim	\$5,000
	NPC surface equip	\$150,000
	Boren Construction	\$19,500
Max TP: 1943 Max Rate: 24.4 bpm Total fluid pmpd: 264 bbls	NDSI water disposal	\$8,500
Avg TP: 1778 Avg Rate: 24.3 bpm Total Prop pmpd: 17,193#s	NPC location cleanup	\$300
ISIP: 1632 5 min: 10 min: FG .84	DAILY COST:	\$220,258
Completion Supervisor: Don Dulen	TOTAL WELL COST:	\$743,038



6/4/2008

Day: \_\_3\_

#### DAILY COMPLETION REPORT Report Date:

State 12-16-9-16

WELL N	NAME:	Sta	ite 12-1	6-9-16	R	eport Date: ַ	6/4	1/2008		Day:3
	eration:	Comp	letion					Rig:	Leed #73	1
				<del></del>	WELL S	TATUS				
Surf Csg:	8 5/8' @	32	3'		Prod Csg:		@ _	5787'	Csg PBTD	): <u>5714' WL</u>
Tbg:	Size:	A	Wt:	(	Grd:	Pkr/EC	ЭΤ @: _		BP/Sand PBT	***************************************
Ū	***************************************	***************************************							CBP @ 4065',	
			<u>PERF</u>	<u>ORATION</u>					CBP @ 4970',	
<u>Zone</u>		<u>Perfs</u>		SPF/#s	<u>shots</u>	Zor			Perfs	SPF/#shots
GB2 sds		)8-4015'		4/28		LODC		5194-		4/32
GB4 sds		6-4124		4/32		CP1 s	ds	5544-	5574'	4/120
D2 sds		8-4706'		4/32						
B2 sds		2-4910'		4/32				ima		
A1 sds		<u> 16-5067'</u>		4/84						
				CHRC	NOLOGIC	AL OPERAT	<u>IONS</u>			
<b>Date Wor</b>	k Perform	ed:	6/3	/2008				SITP:	SICF	P: <u>1670</u>
MIRU Le	ed #731. S	WIFN.								
				FL		VERY (BBL				
-	uid load to		ered:	3917		ng oil rec to d				
	recovered f			0		st/recovered t				
	uid to be red			917		oil recovered:		Fluid Data	Ein/	al oil cut:
IFL:	FF	EL:	F	TP:	Choke:		- Finai	Fluid Rate:	FIIId	ai oii cut
<del></del>			-	-	<del></del>			-	COSTS	
									Leed #731	<u>\$1,184</u>
				•				NDSI w	ater & truck	\$400
								ND	SI Trucking	\$800
							•	NF	PC Trucking	\$300
			······································				-	NPC	Supervisor	\$300
***************************************							_			
							=			
				· · · · · · · · · · · · · · · · · · ·			-			
							-			***************************************
***************************************		<u>.,,,</u>					-			
							-	×		•
							-			······································
	**************************************									
	<u></u>						<del></del>	DAILY (	COST:	\$2,984
Comr	alotion Sur	ordeor	·	On Dulen		***************************************		TOTAL W	ELL COST:	\$746,022



## ATTACHMENT G-1 10 & 14

Day: 4

#### **DAILY COMPLETION REPORT**

<u> </u>	NAME:	State 12-	-16-9-16		Repo	ort Date:	6/5	5/2008		Day:4
Ope	ration: <u>C</u>	Completion	1					Rig:	Leed #73	1
		<del></del>		WE	LL STA	TUS				
Surf Csg:	8 5/8' @	323'		Prod C		5 1/2"	@	5787'	Csg PBTD	: 5714' WL
Tbg:	Size: 2 7/8		6.5#	Grd:	J-55	Pkr/EC	OT @: _	4000'	BP/Sand PBTD	
_		**							CBP @ 4065',	
		<u>PER</u>	FORATIO		<u>RD</u>			**	CBP @ 4970',	
<u>Zone</u>	_	Perfs		<u>#shots</u>		<u>Zoi</u>			Perfs	SPF/#shots
GB2 sds	4008-4		4/28			LODC		5194-		4/32 4/120
GB4 sds	4116-4		4/32			CP1 s	as	5544-	33/4	4/120
D2 sds	4698-4		4/32 4/32			**************************************		***************************************		
B2 sds A1 sds	<u>4902-4</u> 5046-5		4/84				***************************************	A		•
A1 303					NOICAL	ODEDAT	IONIC			
Data Man	l. Daufaumadı	<b>c</b> í	<u>снк</u> /4/2008	ONOLO	JGICAL	OPERAT	ION2	SITP:	SICP	: 125
Date work	k Performed:		4/2000	_				SIIF.		
			F	I UID Ř	FCOVE	RY (BBL	S)			
Ctarting flu	uid load to be r	oooyorod:	3917			oil rec to d				
_	rec <u>overed</u> toda		40		_	ecovered t				
-	id to be recove	·	3877			ecovered:				
_	FFL: _		FTP:	<u>C</u> h	oke:		Final	Fluid Rate:	Fina	
										l oil cut:
								·	COSTS	l oil cut:
									COSTS Leed #731	
	Over-1111 1111 1111 1111 1111 1111 1111 11							Weath	Leed #731	\$3,776
			•	***************************************				Weath		\$3,776 \$300
								Weath	Leed #731	\$3,776
								Weath	Leed #731	\$3,776
								Weath	Leed #731	\$3,776
							-	Weath	Leed #731	\$3,776
								Weath	Leed #731	\$3,776
								Weath	Leed #731	\$3,776
								Weath	Leed #731	\$3,776
								Weath	Leed #731	\$3,776
								Weath	Leed #731	\$3,776
								Weath	Leed #731	\$3,776
								Weath	Leed #731 erford BOP	\$3,776



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Day: 5

#### **DAILY COMPLETION REPORT**

WELL N	IAME:	Sta	ate 12-1	6-9-16		Rep	ort Date:	6/0	6/2008		Day:5
Ope	ration:	Com	pletion						Rig:	Leed #73	1
			*		W	ELL STA	TUS				·
Surf Csg:	8 5/8' @	32	23'		Prod	Csg:	5 1/2"	_ @ _	5787'	Csg PBTD	): <u>5714' WL</u>
Tbg:	Size:	2 7/8"	Wt:	6.5#	_Grd: _	J-55	Pkr/E	OT @: _	5485'	BP/Sand PBTE	):
			PERF	ORATIO	N REC	ORD					
<u>Zone</u>		Perfs			#shots	<del></del>	<u>Z</u> c	<u>one</u>		<u>Perfs</u>	SPF/#shots
GB2 sds	400	08-4015		4/28			LOD	C sds		-5202'	4/32
GB4 sds	41	16-4124		4/32			CP1 :	sds	5544	-5574'	4/120
D2 sds		98-4706		4/32					***************************************		
B2 sds		02-4910		4/32				,,,	***************************************		
A1 sds	504	46-5067'		4/84							
D ( 14/			0/5		ONOL	OGICAL	OPERA1	<u> </u>	OITD.	0 8101	). A
Date Worl	k Perform	ed:	6/5	/2008	•••				SITP:	0 SICF	): <u> </u>
to CBP @	4970'. Dl w/ tbg. Ta	J CBP ir ag sand	15 min	. Cont. R	RIH w/t	bg. Tag	sand @ !	5060'. (	C/O to CBI	tbg. Tag sand P in 5140'. DU 0 RH w/ tbg. Tag s	CBP in 15 min
Starting flu	uid load to			3877 350	LUID	Starting	RY (BBL oil rec to ecovered	date:			
_	id to be red		*****	227			recovered	-	EL LIB (	P!	1 - 11 4-
IFL:	FF	FL:	F	TP:	<u>C</u>	hoke:		– Final	Fluid Rate:	Fina	l oil cut:
				•						COSTS	<b>ቀ</b> ደ 7 <b>ደ</b> ን
									\\/ootl	Leed #731 nerford BOP	\$5,752 \$300
	×							-		· · · · · · · · · · · · · · · · · · ·	***************************************
										Nabors P.S.	\$800
						·····				CDI TAC	\$525
·										CDI PSN	<u>\$80</u>
								<del></del> -			
***************************************	······································	***************************************						-			
***************************************						***************************************				······································	
		······································					<u></u>	×			
<del>1877.18</del>	·····										
							,,.,.				ф7 4 Г ¬
									DAILY (		\$7,457
C	letion Sup	arvisor	· г	Oon Dule	n				TOTAL W	ELL COST:	\$757,555



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Day: 6

#### **DAILY COMPLETION REPORT**

WELL NAME: State 12-16-9-16

Report Date: 6/9/2008

Ope	ration:	Completio	n			Rig:	Leed #731	
		<del></del>		WELL STA	TUS			
Surf Csg:	8 5/8' (	ള 323'			5 1/2" @	5787'	Csg PBTD:	5766'
Tbg:		2 7/8" Wt:	6.5#	Grd: J- <u>55</u>	Pkr/EOT @:	5485'	BP/Sand PBTD:	·····
_	***************************************		***************************************					
			RFORATION		_			ODE/#-1
Zone	40	Perfs	SPF/#s	<u>shots</u>	Zone	E40 <i>4</i>	<u>Perfs</u> -5202'	SPF/#shots 4/32
GB2 sds GB4 sds		08-4015' 16-4124'	- <u>4/28</u> 4/32	······	LODC sds CP1 sds	***************************************	-5202 -5574'	4/120
D2 sds		98-4706'	4/32		01 1 303		-007-4	77120
B2 sds		02-4910'	4/32	·····	······································			
A1 sds		46-5067'	4/84					
			CHRO	NOLOGICAL	<b>OPERATIONS</b>			-
Date Wor	k Perform	ned: 6	5/6/2008			SITP:	0 SICP:	50
			<del></del>	C/O to PRTD	0 5766' Circu	ilata wall cl	ean Pull up to 5	673' RIH w
swab. SF	L @ 100'	. Made 23 rur	ns. Recovere	ed 310 bbls. F	Recovering a lot	of sand.	ean. Pull up to 5 0% oil cut. EFL to 5673'. SWIFN	@ 900'. RE
swab. RII	Hw7tbg. ˈ	Tag sand @ 5	719' (47' of ne	ew sand).  C/O	to PBTD @ 576	6'. Pull up	to 5673'. SWIFN	l.
					(D) (D)			
				UID RECOVE			^	
_		be recovered:	4227	_	oil rec to date:		<u>0</u> 20	
Fluid lost/			225		ecovered today:		20	
Ending flu		coverea: FL: 900'	4002 FTP:	Cum on r	recovered:	Fluid Rate:		oil cut: <b>50</b> %
IFL	100 F	FL. 900	_ FIF	Onoke.	- I IIIai	Traia Rate.		
							COSTS	
			****				Leed #731	\$5,752
			****		-	Weath	nerford BOP	\$300
					-		Nabors P.S.	\$800
							CDI TAC	\$525
							CDI PSN	\$80
***************************************								
					•		400	
-					•			
<u></u>								
•								
				·	•	NDO	Supervisor	\$300
		A				DAILY (	Supervisor	\$7,757
Ca	lation S…		– Don Dulen				ELL COST:	\$765,312
comp	letion Su	hei Ai20L:	Don Dalen			IOIALW		Ψ, 00,012



NPC Supervisor

DAILY COST:

TOTAL WELL COST: \_

\$300

\$4,540

\$769,852

130414

DAILY COMPLETION REPORT												
WE	LL NAME	: Sta	te 12-16-9	9-16	Re	port Date:	6/10	0/2008			Day:	
	Operatio		oletion					Rig: _	Le	eed #731		•
	· · -				WELL ST	ATUS						
Surf C	sg: 8 5/	8' @ 32	3'	Pr	rod Csg:	5 1/2"	@	5787'	C	sg PBTD:	57	66'
Tbg:	Size			6.5# Gro	i: J-5	5 Pkr/E0	от @: _	5641'	BP/Sai	nd PBTD:		
J			Quinting.									
			PERFO	RATION RI		_		***			0054	4 - l - 4 -
<u>Zo</u>		<u>Perfs</u>		SPF/#shc	<u>ots</u>	<u>Zo</u>	_		Perfs			<u> shots</u>
GB2		4008-4015'		4/28		LODO		5194-5 5544-			4/32 4/120	`
GB4		4116-4124'		4/32		CP1 s	as	5544-	00/4		4/120	
D2 sc		4698-4706'		4/32 4/32		<u></u>		,			····	
B2 sc		4902-4910' 5046-5067'	<del></del>	4/84							·	······································
A1 sc	15	5046-5067										
				CHRON	<u>OLOGICA</u>	L OPERAT	IONS					
Date	Work Per	formed:	6/9/20	208				SITP:	0	SICP:	1	20
				FLU	ID RECOV	ERY (BBL	<u>S)</u>					
Starti	ng fluid lo	ad to be recov	ered:	4002		g oil rec to c		2				
		ered today:	12			recovered f			0			
	•	be recovered:				l recovered:		5			سرمانہ	4.
IFL:		FFL:	FTI	P:	Choke: _		Final	Fluid Rate:		Finai	oil cut	L:
		· · · · · · · · · · · · · · · · · · ·							CC	OSTS		
	PRODUC	TION TBG DET	AIL						Leed#	<u>731</u>		3,940
KB	12.00'			×				Weath	erford E	BOP		\$300
180	2 7/8" tb	g J-55 (5531.	59')									
	·	@ 5543.59' H										
1	2 7/8" tb											
-		@ 5578.11'		·								-

2 2 7/8" tbg (61.90')

EOT @ 5640.46'

Completion Supervisor: \_\_\_\_\_ Don Dulen

NC .45'



14 of 14

#### **DAILY COMPLETION REPORT**

WELL NAME:		S	State 12-16-9-16			Report Date: <u>6/11</u>			1/2008			Day:	8
Оре	ration:	Com	pletion						Rig:	<u>Le</u>	eed #731		
					WE	ELL ST	ATUS						
Surf Csg:	8 5/8'	@ 3	23'		Prod	Csg:	5 1/2"	@	5787'	C	sg PBTD:	576	6'
Tbg:	Size:	2 7/8"	Wt:	6.5#	_Grd: _	J-55	Pkr/E0	от @: _	5641'	BP/Sa	nd PBTD:		
			PER	FORATIO	N RECO	ORD							
Zone		Perfs	<u> </u>	SPF/	#shots		Zo	<u>ne</u>		<u>Perfs</u>		SPF/#s	hots
GB2 sds	4	008-4015	; ;	4/28			LODG	sds	5194	-5202'		4/32	
GB4 sds		116-4124	*	4/32			CP1 s	ds	5544	-5574'		4/120	
D2 sds		698-4706	5'	4/32									
B2 sds	4	902-4910	)'	4/32									
A1 sds	_ 5	046-5067	<b>71</b>	4/84			***************************************					·	
				CHF	RONOLO	OGICAL	<b>OPERAT</b>	<u>IONS</u>					
Date Worl	k Perfor	med:	6/1	0/2008					SITP:	20	SICP:	80	
Bleed off v 20- 3/4" gr pump. Str	uided ro	ds, 97- 3/	4" slick	rods, 100-	- 3/4" gu	uided roo	ds, 1- 2' x	3/4" pc	ny subs, 1	1/2" x 2	26' polishe	ed rod.	Sea

FLUID RECOVERY (BBLS) 4002 Starting oil rec to date: Starting fluid load to be recovered: 125 30 Fluid lost/recovered today: Oil lost/recovered today: 50 Ending fluid to be recovered: 4127 Cum oil recovered: Choke: Final Fluid Rate: Final oil cut: FTP: COSTS PRODUCTION ROD STRING Leed #731 \$2,856 PRODUCTION TBG DETAIL "A" grade rod string \$12,196 1 1/2" x 26' polished rod KB 12.00' 1- 2' x 3/4" pony subs \$1,800 polished rod pkg. 180 2 7/8" tbg J-55 (5531.59') TA 2.80' @ 5543.59' KB 100- 3/4" guided rods NPC frac tks(11x4days) \$1,760 1 2 7/8" tbg (30.62') 97-3/4" plain rods NPC frac head \$500 \$240 SN 1.10' @ 5578.11' NPC swab tk(6 days) 20- 3/4" guided rods CDI rod pump \$1,450 2 2 7/8" tbg (61.90') 6- 1 1/2" weight bars 1 1/2" x 2 1/2" x 18' RHAC NC .45' EOT @ 5640.46' rod pump. NPC Supervisor \$300 \$21,102 DAILY COST: \$790,954 **TOTAL WELL COST:** 

Completion Supervisor: Don Dulen

#### ATTACHMENT H

#### WORK PROCEDURE FOR PLUGGING AND ABANDONMENT

1.		Set CIBP @ 3958'
2.	Plug #1	Set 100' plug on top of CIBP using 12 sx Class "G" cement
3.	Plug #2	175' balance plug using 21 sx Class "G" cement 50' above Trona-Bird's Nest extending 50' below base of Mahogany Oil Shale
4.	Plug #3	120' balance plug using 14sx Class "G" cement 60' above Uinta/Green River and extending 60' below
5.	Plug #4	Pump 43 sx Class "G" cement down 5 1/2" casing to 373'

The approximate cost to plug and abandon this well is \$42,000.

#### State 12-16-9-16

Spud Date: 04-17-08 Put on Production: 06-10-08 GL: 5950' KB: 5962'

#### SURFACE CASING

CSG SIZE: 8-5/8" GRADE: J-55 WEIGHT: 24# LENGTH: 7jts (313.7') DEPTH LANDED: 323'

HOLE SIZE: 12-1/4"

CEMENT DATA: To surface with 160 sx Class 'G' cmt

#### Proposed P&A Wellbore Diagram

Cement Top@ 180'
Pump 43 sx Class "G" Cement down 5-1/2" easing to 373'
Casing Shoe @ 323'

(1495'-1605')

#### PRODUCTION CASING

CSG SIZE: 5-1/2" GRADE: J-55 WEIGHT: 15.5# LENGTH: 141jts HOLE SIZE: 7-7/8" DEPTH LANDED: 5787.23'

CEMENT DATA: 300 sx Premlite II and 400 sx 50/50 Poz.

CEMENT TOP AT: 180'

175' balance plug using 21 sx Class "G" cement 50' above Trona-Bird's Nest extending 50' below base of Mahogany Oil Shale (2827'-3002')

120' balance plug using 14 sx Class "G" cement 60' above Uinta/Green River and extending 60' below

100' (12 sx) Class G Cement plug on top of CIBP

CIBP @ 3958' 4008-4015' 4116-4124'

4698-4706'

4902-4910' 5046-5067'

5194 -5202'

5544-5574

PBTD @ 5766'

TD @ 5790'

### NEWFIELD

#### State 12-16-9-16

2034' FSL & 504' FWL NW/SW Section 16-T9S-R16E Duchesne Co, Utah API #43-013-33852; Lease #Utah State ML-16532 FORM 3160-5 (August 2007)

#### **UNITED STATES** DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED OMB No. 1004-0137 Expires: July 31,2010

#### SUNDRY NOTICES AND REPORTS ON WELLS

5. Lease Serial No.

Do not use t abandoned w	6. If Indian, Allottee or Tribe Name.  7. If Unit or CA/Agreement, Name and/or GMBU  8. Well Name and No. STATE 12-16-9-16					
SUBMIT IN						
1. Type of Well  Oil Well Gas Well  2. Name of Operator						
NEWFIELD PRODUCTION CO 3a. Address Route 3 Box 3630 Myton, UT 84052	OMPANY	3b. Phone <i>(include ar</i> 435.646.3721	e code)	9. API Well No. 4301333852 10. Field and Pool, or Exploratory Area		
4. Location of Well (Footage, 2034 FSL 504 FWL  NWSW Section 16 T9S R16E		GREATER MB UNIT 11. County or Parish, State DUCHESNE, UT				
12. CHECK	K APPROPRIATE BOX	(ES) TO INIDICATE NA	ATURE OF N	· · · · · · · · · · · · · · · · · · ·		
TYPE OF SUBMISSION		TYP	E OF ACTION			
Notice of Intent  Subsequent Report  Final Abandonment	Acidize Alter Casing Casing Repair Change Plans Convert to Injector	Deepen Fracture Treat New Construction Plug & Abandon Plug Back	Reclamat	ete rily Abandon	Water Shut-Off Well Integrity Other	
13. Describe Proposed or Completed O	peration: (Clearly state all pertinent	details, including estimated startin	g date of any propos	sed work and approxin	nate duration thereof. If the	

proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final

Newfield Production proposes to convert the above mentioned well from producing oil well to an injection well.

RECEIVED SEP 07 2011

DIV. OF OIL, GAS & MINING

I hereby certify that the foregoing is true and correct (Printed/ Typed)  Jill Loyle	Title  Regulatory Technician				
Signature	Date 09/01/2011				
THIS SPACE FOR FEI	DERAL OR STATE OFFICE	USE			
Approved by  Conditions of approval, if any, are attached. Approval of this notice does not warrant or	Title	Date			
certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office				
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any States any false, fictifious and fraudulent statements or representations as to any matter.	***	department or agency of the United			

# BEFORE THE DIVISION OF OIL, GAS AND MINING DEPARTMENT OF NATURAL RESOURCES STATE OF UTAH NOTICE OF AGENCY ACTION CAUSE NO. UIC-380

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTION 16, TOWNSHIP 9 SOUTH, RANGE 16 EAST, DUCHESNE COUNTY, UTAH, AS CLASS II INJECTION WELLS.

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER.

Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of Newfield Production Company for administrative approval of the following wells located in Duchesne County, Utah, for conversion to Class II injection wells:

#### Greater Monument Butte Unit:

State 5-16-9-16 well located in SW/4 NW/4, Section 16, Township 9 South, Range 16 East API 43-013-33849 State 6-16-9-16 well located in SE/4 NW/4, Section 16, Township 9 South, Range 16 East API 43-013-33850 State 11-16-9-16 well located in NE/4 SW/4, Section 16, Township 9 South, Range 16 East API 43-013-33851 State 12-16-9-16 well located in NW/4 SW/4, Section 16, Township 9 South, Range 16 East API 43-013-33852

The proceeding will be conducted in accordance with Utah Admin. R649-10, Administrative Procedures.

Selected zones in the Green River Formation will be used for water injection. The maximum requested injection pressures and rates will be determined based on fracture gradient information submitted by Newfield Production Company.

Any person desiring to object to the application or otherwise intervene in the proceeding, must file a written protest or notice of intervention with the Division within fifteen days following publication of this notice. The Division's Presiding Officer for the proceeding is Brad Hill, Permitting Manager, at P.O. Box 145801, Salt Lake City, UT 84114-5801, phone number (801) 538-5340. If such a protest or notice of intervention is received, a hearing will be scheduled in accordance with the aforementioned administrative procedural rules. Protestants and/or interveners should be prepared to demonstrate at the hearing how this matter affects their interests.

Dated this 5th day of October, 2011.

STATE OF UTAH DIVISION OF OIL, GAS & MINING

Brad Hill

Permitting Manager

#### **Newfield Production Company**

### STATE 5-16-9-16, STATE 6-16-9-16, STATE 11-16-9-16, STATE 12-16-9-16

#### Cause No. UIC-380

#### Publication Notices were sent to the following:

Newfield Production Company 1001 17th Street, Suite 2000 Denver, CO 80202

Uintah Basin Standard 268 South 200 East Roosevelt, UT 84066 via e-mail legals@ubstandard.com

Salt Lake Tribune P O Box 45838 Salt Lake City, UT 84145 via e-mail naclegal@mediaoneutah.com

Vernal Office Bureau of Land Management 170 South 500 East Vernal, UT 84078 Duchesne County Planning P O Box 317 Duchesne, UT 84021-0317

Bruce Suchomel US EPA Region 8 MS 8P-W-GW 1595 Wynkoop Street Denver, CO 80202-1129

SITLA 675 East 500 South Salt Lake City, UT 84102-2818

Newfield Production Company Rt 3 Box 3630 Myton, UT 84052

Jan Sulet



### State of Utah

#### DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

October 5, 2011

Via e-mail: <u>legals@ubstandard.com</u>

Uintah Basin Standard 268 South 200 East Roosevelt, UT 84066

Subject: Notice of Agency Action - Newfield Production Company Cause No. UIC-380

To whom it may concern:

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please <u>notify me via e-mail of the date it will be published</u>. My e-mail address is: <u>jsweet@utah.gov</u>.

Please send proof of publication and billing to:

Division of Oil, Gas and Mining PO Box 145801 Salt Lake City, UT 84114-5801

Sincerely,

Jean Sweet

**Executive Secretary** 

Enclosure





### State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

October 5, 2011

VIA E-MAIL naclegal@mediaoneutah.com

Salt Lake Tribune P. O. Box 45838 Salt Lake City, UT 84145

Subject: Notice of Agency Action - Newfield Production Company Cause No. UIC-380

To whom it may concern:

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please <u>notify me via e-mail of the date it will be published</u>. My e-mail address is: <u>isweet@utah.gov</u>.

Please send proof of publication and billing for account #9001402352 to:

Division of Oil, Gas and Mining PO Box 145801 Salt Lake City, UT 84114-5801

Sincerely,

Jean Sweet

**Executive Secretary** 

Enclosure



# Jean Sweet - Re: Notice of Agency Action - Newfield Production Company Cause No. UIC-380

From: Cindy Kleinfelter <classifieds@ubstandard.com>

To: Jean Sweet <jsweet@utah.gov>

**Date:** 10/5/2011 1:26 PM

Subject: Re: Notice of Agency Action – Newfield Production Company Cause No. UIC-380

### On 10/5/2011 12:00 PM, Jean Sweet wrote:

To whom it may concern:

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please <u>notify</u> me via e-mail of the date it will be <u>published</u>. My e-mail address is: <u>jsweet@utah.gov</u>.

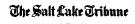
Please send proof of publication and billing to:

Division of Oil, Gas and Mining PO Box 145801 Salt Lake City, UT 84114-5801

Sincerely,

Jean Sweet, Executive Secretary Utah Div. of Oil, Gas & Mining 1594 West Temple, Suite 1210 Salt Lake City, UT 801-538-5329 jsweet@utah.gov

Received. Thank you. It will be published Oct. 11, 2011. Cindy







### Order Confirmation for Ad #0000732138-01

Client

DIV OF OIL-GAS & MINING

**Payor Customer** 

**DIV OF OIL-GAS & MINING** 

**Client Phone** 

801-538-5340

**Payor Phone** 

801-538-5340

Account#

9001402352

**Payor Account** 

9001402352

Address

1594 W NORTH TEMP #1210, P.O. BOX 145801 Payor Address SALT LAKE CITY, UT 84114 USA

1594 W NORTH TEMP #1210,P.O. BO) SALT LAKE CITY, UT 84114

Fax

801-359-3940

Jean

Ordered By

Acct. Exec

**EMail** 

earlenerussell@utah.gov

Jean

mfultz

**Total Amount Payment Amt** 

\$157.50

\$0.00

**Tear Sheets** 

**Proofs** 

**Affidavits** 

**Amount Due** 

\$157.50

0

0

**Payment Method** 

PO Number

Legal Ad

**Confirmation Notes:** 

Text:

Ad Type Legal Liner Ad Size

2.0 X 61 Li

Color

<NONE>

**Product** 

**Placement** 

Legal Liner Notice - 0998

Salt Lake Tribune:: Scheduled Date(s):

10/08/2011

Product

**Placement** 

sltrib.com:: Scheduled Date(s):

Legal Liner Notice - 0998 10/08/2011

**Placement** 

utahlegals.com::

Scheduled Date(s):

10/08/2011

utahlegals.com

**Position** 

Public Meeting/Hear-ing Notices

Public Meeting/Hear-ing Notices

utahlegals.com

Ad Content Proof Actual Size

BEFORE THE DIVISION OF OIL, GAS AND MINING DEPARTMENT OF NATURAL RESOURCES STATE OF UTAH NOTICE OF AGENCY ACTION CAUSE NO. UIC-380

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUC-TION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTION 16, TOWNSHIP 9 SOUTH, RANGE 16 EAST, DUCHESNE COUNTY, UTAH, AS CLASS II INJECTION WELLS.

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER.

Notice is hereby given that the Division of Oil, Gas and Min-ing (the "Division") is commercing an informal adjudicative proceeding to consider the application of Newfield Produc-tion Company for administrative approval of the following wells located in Duchesne County, Utah, for conversion to Class II injection wells:

Greater Morument Butte Unit:
State 5-16-9-16 well located in SW/4 NW/4, Section 16,
Townstip 9 South, Range 16 East API 43-013-33849
State 6-16-9-16 well located in: SE/4 NW/4, Section 16,
Township 9 South, Range 16 East API 43-013-33850
State 11-16-9-16 well located in: NE/4 SW/4, Section 16,
Township 9 South, Range 16 East API 43-013-33851
State 12-16-9-16 well located in: NW/4 SW/4, Section 16,
Township 9 South, Range 16 East API 43-013-33852

The proceeding will be conducted in accordance with Utah Admin, R649-10, Administrative Procedures.

Selected zones in the Green River Formation will be used for water injection. The maximum requested injection pressures and rates will be determined based or fracture gradient information submitted by Newfield Production Company.

Any person destring to object to the application or otherwise intervene in the proceeding, must file a written protest or rotice of intervention with the Division within fifteen days following publication of this rotice. The Division's Presiding Officer for the proceeding is Brod Hill, Permitting Manager, at P.O. Bax 145801, Spin Lacke City, UT 84114-5801, plane rumber (801) 538-5340. If such a protest or rotice of intervention is received, a hearing will be scheduled in accordance with the aforementioned administrative procedural rules. Protestants and/or interveners should be prepared to demonstrate or the hearing how this matter affects their interests.

Dated this 5th day of October, 2011.

STATE OF UTAH DIVISION OF OIL, GAS & MINING

/s/ Brad Hill

Permitting Manager 732138

UPAXLP

UTAHLEGALS.COM INDEFINATELY.

10/10/2011

PUBLISHED ON

**SIGNATURE** 

Start 10/08/2011

### The Salt Lake Tribune



ACCOUNT NUMBER

9001402352



PROOF OF PUBLICATION

OCT 1 8 2011

CUSTOMER NAME AND ADDRESS CONTROL

DIV OF OIL-GAS & MINING,

CUSTOMER'S COPY

VIRGINIA CRAFT Notary Public, State of Utah

Commission # 591469 My Commission Expires

January 12, 2014

DATE: 1

10/10/2011

ACCOUNT ACCOUNT	IT NAME		
DIV OF OIL-GA	AS & MINING,		
ATELEPHONE >	ADORDER# 7, 1	NVOICE NUMBE	
8015385340	0000732138 /	1	BEFORE THE DIVISION OF CIL, GAS AND MIN DEPARTMENT OF NATURAL RESOURCES
SCHE	DULE REPORT OF	***************************************	CAUSE NO. VIC-380
Start 10/08/2011	End 10/08/2011		IN THE MATTER OF THE APPLICATION OF NEWFIEL BION COMPANY FOR ADMINISTRATIVE APPROVAL WELLS LOCATED IN SCILION 16, TOWNSHIP 9 SOL 16 EAST, DUCHESNE COUNTY, UTAH, AS CLASS II WELLS.
CUST, R	REF. NO.		THE STATE OF UTAH TO ALL PERSONS INTEREST ABOVE ENTITLED MATTER.
Legal Ad			Notice is hereby given that the Division of Oil, Gsing (the "Division") is commencing an informal or proceeding to consider the application of Newtrolion Company for administrative approval of the walls located in Duchesse County, Utah, for co Class II injection wells:
CAP	IION:		wells located in Duchesse County, (Itch, for co Class II Injection wells:
BEFORE THE DIVISION OF OIL, GAS AND MI	NING DEPARTMENT O	F NATURAL R	Greater Monument Buffe Unit.  State 5-16-9-16 well located in SW/4 NW/4, Township 9 South, Range 16 East API 43-013-338 State 6-16-9-16 well located in SE/4 NW/4, Township 9 South, Range 16 East API 43-013-338 State 11-16-9-16 well located in NE/4 SW/4, Township 9 South, Range 16 East API 43-013-338 State 12-16-9-16 well located in NE/4 SW/4, Township 9 South, Range 16 East API 43-013-338
INTERNATIONS SE	ZE A STATE OF STATE O		Township 9 South, Ronge 16 East API 43-013-338 State 11-16-9-16 well located in NE/4 SW/4, Township 9 South, Ronge 16 East API 43-013-338 State 12-16-9-36 well located in NW/4 SW/4.
61 Lines	2.00 COL	.UMN	Township 9 South, Range 16 East API 43-013-338 The proceeding will be conducted in accordance Admin. R649-10, Administrative Procedures.
A STATE OF S	11 (12 44 (14 N		Selected zones in the Green River Formation will water injection. The maximum requested injection and rates will be determined based on fracture formation submitted by NewField Production Comp
MISC CHARGES	ADCH	ARGES (*	Any person destring to object to the application of interview in the proceeding, man fill a written price of intervention with the Division within fifties towing publication of this notice. The Division's Precent for the proceeding is Brad Hill, Permitting & P.O. Box 145801, Sall Late City, UT 84114-5 number (801) 538-5340. If such a protest or not vention is received, an earing will be scheduled once with the offerementioned administrative rules, Protestants and/or intervenses should be a demonstrate at the hearing how this matter aftererests.
			Car for the proceeding is stat with retailed in P.O. Box 145801, Sall Lake City, UT 84114-5. number (801) 538-5340. If such a protest or not vention is received, a hearing will be scheduled
7	ALOUS STORY	COST (5)	ance with the aforementioned administrative rules. Protestants and/or interveners should be a demonstrate at the hearing how this matter affe terests.
0/RIB 6/31	157	· ·	Dated this 5th day of October, 2011. STATE OF UTAH DIVISION OF CIL, GAS & MINING
PRECICANO GOOD LOCK	FIDAVIT OF PUBLICATION		/s/ Brad Hill Permitting Manager

THIS IS NOT A STATEMENT BUT A "PROOF OF PUBLICATION"
PLEASE PAY FROM BILLING STATEMENT

ENGLISH LANGUAGE WITH GENERAL CIRCULATION IN UTAH, AND PUBLISHED IN SALT LAKE CITY, SALT LAKE COUNTY IN THE STATE OF UTAH.

End 10/08/2011

NOTICE IS ALSO POSTED ON UTAHLEGALS.COM ON THE SAME DAY AS THE FIRST NEWSPAPER PUBLICATION DATE AND REMAINS ON

### AFFIDAVIT OF PUBLICATION

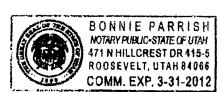
County of Duchesne, STATE OF UTAH

I, Kevin Ashby on oath, say that I am the PUBLISHER of the Uintah Basin Standard, a weekly newspaper of general circulation, published at Roosevelt, State and County aforesaid, and that a certain notice, a true copy of which is hereto attached, was published in the full issue such newspaper for \_\_\_\_\_\_\_ consecutive issues, and that the first publication was on the \_\_\_\_\_\_\_ day of \_\_\_\_\_\_\_, 20 //\_\_\_\_, and that the last publication of such notice was in the issue of such newspaper dated the \_\_\_\_\_\_\_ day of \_\_\_\_\_\_\_ day of \_\_\_\_\_\_\_\_, 20 //\_\_\_\_\_, and that said notice was published on Utahlegals. com on the same day as the first newspaper publication and the notice remained on Utahlegals.com until the end of the scheduled run.

Subscribed and sworn to before me this

17 day of October , 20 11

Notary Public



BEFORE THE DIVISION OF OIL, GAS AND MINING DEPARTMENT OF NATURAL RESOURCES, UTAH NOTICE OF AGENCY ACTION CAUSE NO. UIC-380

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVEAP-PROVAL OF CERTAIN WELLS LOCATED IN SECTION 16, TOWN-SHIP9 SOUTH, RANGE 16 EAST, DUCHESNE COUNTY, UTAH, AS CLASS II INJECTION WELLS.

THE STATE OF UTAH
TO ALL PERSONS IN-TERESTED IN THE ABOVE ENTITLED MATTER.

Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of Newfield Production Company for administrative approval of the following wells located in Duchesne County, Utah, for conversion to Class II injection wells:

Greater Monument Butte Unit:

State 5-16-9-16 well located in SW/4 NW/4, Section 16, Township 9 South, Range 16 East API 43-013-33849

State 6-16-9-16 well located in SE/4 NW/4, Section 16, Township 9 South, Range 16 East API 43-013-33850

State 11-16-9-16 well located in NE/4 SW/4, Section 16, Township 9 South, Range 16 East API 43-013-33851

State 12-16-9-16 well located in NW/4 SW/4, Section 16, Township 9 South Range 16 Fast API this notice. The Division's Presiding Officer for the proceeding is Brad Hill, Permitting Manager, at P.O. Box 145801, Salt Lake City, UT 84114-5801, phone number (801) 538-5340. If such a protest or notice of intervention is received, a hearing will be scheduled in accordance with the aforementioned administrative procedural rules. Protestants and/or interveners should be prepared to demonstrate at the hearing how this matter affects their interests.

Dated this 5th day of October, 2011.

STATE OF UTAH DIVISION OF. OIL, GAS & MINING

Published in the Uintah Basin Standard October 11, 2011.

# DIVISION OF OIL, GAS AND MINING UNDERGROUND INJECTION CONTROL PROGRAM PERMIT STATEMENT OF BASIS

Applicant: N	lewfield Production Company	<u>/ Well:</u>	State 12-16-9-16	
Location:	16/9S/16E	API:	43-013-33852	

Ownership Issues: The proposed well is located on State of Utah land. The well is located in the Greater Monument Butte Unit. Lands in the one-half mile radius of the well are administered by the State of Utah and the BLM. The State of Utah and the Federal Government are the mineral owners within the area of review (AOR). Newfield and other various individuals hold the leases in the unit. Newfield has provided a list of all surface, mineral and leaseholders in the half-mile radius. Newfield is the operator of the Greater Monument Butte Unit. Newfield has submitted an affidavit stating that all owners and interest owners have been notified of their intent.

Well Integrity: The proposed well has surface casing set at 323 feet and has a cement top at the surface. A 5½ inch production casing is set at 5,787 feet. A cement bond log demonstrates adequate bond in this well up to about 3,106 feet. A 2 7/8 inch tubing with a packer will be set at 3,958 feet. Higher perforations will be opened at a later date. A mechanical integrity test will be run on the well prior to injection. On the basis of surface location, there are 10 producing wells in the AOR. In addition, there is 1 horizontal producing well, with a surface location slightly outside the AOR and a bottom hole location inside the AOR All wells within the AOR have evidence of adequate casing and cement for the proposed injection interval.

Ground Water Protection: As interpreted from Technical Publication No. 92, the base of moderately saline water is at a depth of approximately 2300 feet. Injection shall be limited to the interval between 3,957 feet and 5,766 feet in the Green River Formation. Information submitted by Newfield indicates that the fracture gradient for the 12-16-9-16 well is 0.84 psi/ft., which was the lowest reported fracture gradient for the injection zone. The resulting minimum fracture pressure for the proposed injection interval is 1,606 psig. The requested maximum pressure is 1,606 psig. The anticipated average injection pressure is 1100 psig. Injection at this pressure should not initiate any new fractures or propagate existing fractures in the adjacent confining intervals. Any groundwater present should be adequately protected.

State 12-16-9-16 page 2

**Oil/Gas& Other Mineral Resources Protection:** The Board of Oil, Gas & Mining approved the Greater Monument Butte Unit on December 1, 2009. Correlative rights issues were addressed at this time. Previous reviews in this area indicate that other mineral resources in the area have been protected or are not at issue.

Bonding: Bonded with the State of Utah

Actions Taken and Further Approvals Needed: A notice of agency action has been sent to the Salt Lake Tribune and the Uinta Basin Standard. A casing/tubing pressure test will be required prior to injection. It is recommended that approval of this application be granted.

Note: Applicable technical publications concerning water resources in the general vicinity of this project have been reviewed and taken into consideration during the permit review process.

Reviewer(	s): Mark Re	einbold	Date	10/26/2011
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Lieutenant Governor

### State of Utah

### DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

April 19, 2012

Newfield Production Company 1001 Seventeenth Street, Suite 2000 Denver, CO 80202

Subject: Greater Monument Butte Unit Well: State 12-16-9-16, Section 16, Township 9 South, Range 16 East,

SLBM, Duchesne County, Utah, API Well # 43-013-33852

#### Gentlemen:

Pursuant to Utah Admin. Code R649-5-3-3, the Division of Oil, Gas and Mining (the "Division") issues its administrative approval for conversion of the referenced well to a Class II injection well. Accordingly, the following stipulations shall apply for full compliance with this approval:

- 1. Compliance with all applicable requirements for the operation, maintenance and reporting for Underground Injection Control ("UIC") Class II injection wells pursuant to Utah Admin. Code R649-1 et seq.
- 2. Conformance with all conditions and requirements of the complete application submitted by Newfield Production Company.
- 3. A casing tubing pressure test shall be conducted prior to commencing injection.
- 4. Pressure shall be monitored between the surface casing and the production casing on a regular basis. Any pressure changes observed shall be reported to the Division immediately.
- 5. The top of the injection interval shall be limited to a depth no higher than 3,957 feet in the State 12-16-9-16 well.

A final approval to commence injection will be issued upon satisfactory completion of the listed stipulations. If you have any questions regarding this approval or the necessary requirements, please contact Mark Reinbold at 801-538-5333 or Brad Hill at 801-538-5315.

Sincerely,

John Rogers

Associate Director

JR/MLR/is

cc: Bruce Suchomel, Environmental Protection Agency

Bureau of Land Management, Vernal

**SITLA** 

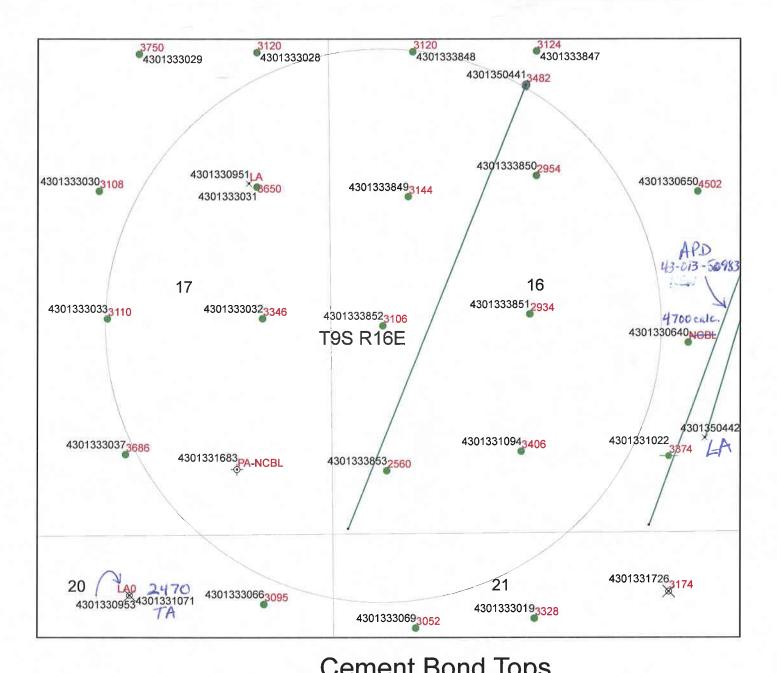
**Duchesne County** 

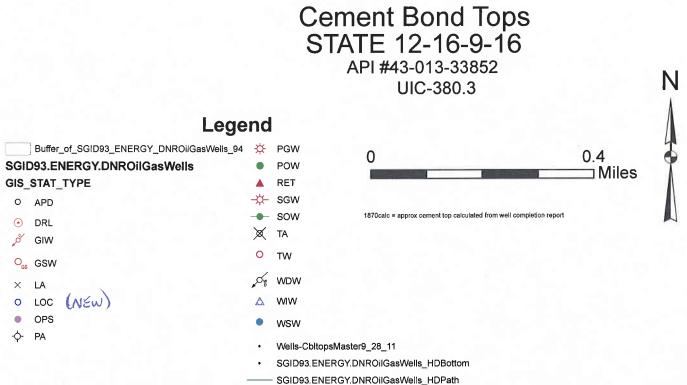
Newfield Production Company, Myton

Well File

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Sundry Number: 41656 API Well Number: 43013338520000

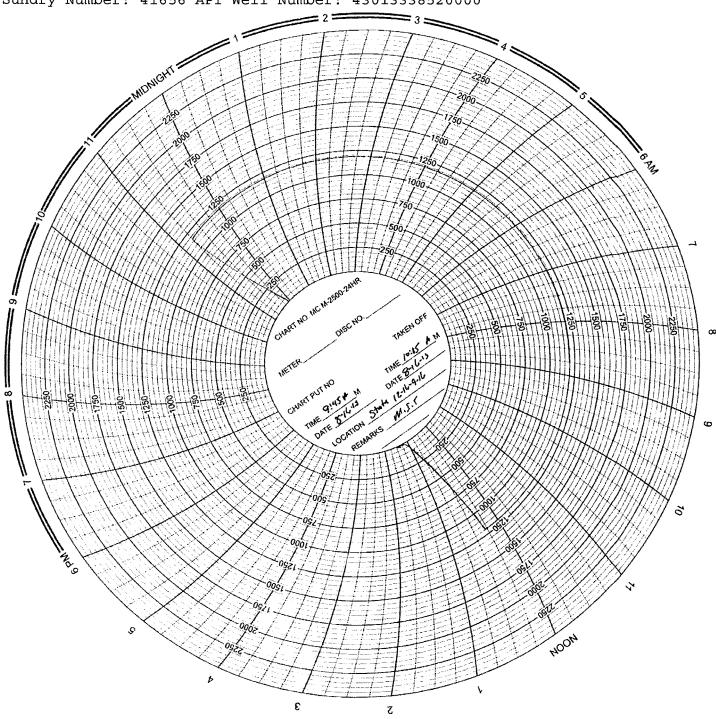
	OTATE OF LITAL	gain gine i i i i i i i i i i i i i i i i i i	FORM 9
STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES			
DIVISION OF OIL, GAS, AND MINING			5.LEASE DESIGNATION AND SERIAL NUMBER: ML-16532
SUNDRY NOTICES AND REPORTS ON WELLS			6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
Do not use this form for pro current bottom-hole depth, I FOR PERMIT TO DRILL forn	oposals to drill new wells, significantly reenter plugged wells, or to drill horizo n for such proposals.	deepen existing wells below ntal laterals. Use APPLICATION	7.UNIT or CA AGREEMENT NAME: GMBU (GRRV)
1. TYPE OF WELL Oil Well	The straig growth the second of the second o		8. WELL NAME and NUMBER: STATE 12-16-9-16
2. NAME OF OPERATOR: NEWFIELD PRODUCTION CO	OMPANY		9. API NUMBER: 43013338520000
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT	, 84052 435 646-4825	PHONE NUMBER: 5 Ext	9. FIELD and POOL or WILDCAT: MONUMENT BUTTE
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2034 FSL 0504 FWL			COUNTY: DUCHESNE
QTR/QTR, SECTION, TOWNSH	H <b>IP, RANGE, MERIDIAN:</b> 16 Township: 09.0S Range: 16.0E Meri	dian: S	STATE: UTAH
11. CHECI	K APPROPRIATE BOXES TO INDICAT	TE NATURE OF NOTICE, REPOR	RT, OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTION	
	☐ ACIDIZE	ALTER CASING	CASING REPAIR
NOTICE OF INTENT Approximate date work will start:	CHANGE TO PREVIOUS PLANS	CHANGE TUBING	CHANGE WELL NAME
	✓ CHANGE WELL STATUS	COMMINGLE PRODUCING FORMATIONS	✓ CONVERT WELL TYPE
SUBSEQUENT REPORT Date of Work Completion:	DEEPEN	FRACTURE TREAT	NEW CONSTRUCTION
8/16/2013	OPERATOR CHANGE	PLUG AND ABANDON	PLUG BACK
SPUD REPORT	PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION
Date of Spud:	REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	TEMPORARY ABANDON
	TUBING REPAIR	VENT OR FLARE	☐ WATER DISPOSAL
DRILLING REPORT Report Date:	WATER SHUTOFF	SI TA STATUS EXTENSION	APD EXTENSION
	WILDCAT WELL DETERMINATION	OTHER	OTHER:
12 DECORIDE PROPOSED OR			!
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  The subject well has been converted from a producing oil well to an injection well on 08/15/2013. On 08/15/2013 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 08/16/2013 the casing was pressured up to 1200 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 200 psig during the test. There was a State representative available to witness the test -  Chris Jensen.  Accepted by the Utah Division of Oil, Gas and Mining  Date:  September 18, 2013  By:  By:			
NAME (PLEASE PRINT) Lucy Chavez-Naupoto	PHONE NUMBI 435 646-4874	ER TITLE Water Services Technician	and the second s
SIGNATURE N/A	400 040 4014	DATE 8/22/2013	

# Sundry Number: 41656 APT Well' Number: 43013338520000 Casing or Annulus Pressure Test

# **Newfield Production Company** Rt 3 Box 3630 Myton, UT 84052

$\sim 1$	435-040-3 <i>[ L</i> ]		
Witness: Unseq Test Conducted by: Riley Others Present:	Bag 14y	? Time 9:45	am pm
<b>Well:</b> State 12-16-9-16		-nument Butti	
Well Location: 57414 12-16-9-16	API No: 43	01333827	
Time	Casing Pressure	<u>.</u>	
0 mir	1700	psig	
5	1000	psig	
10	1700	psig	
15	1683	psig	
20	1 200	psig	
25	1200	psig	
30 mir	n 1200	psig	
35		psig	
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45	· · · · · · · · · · · · · · · · · · ·	psig	
50		psig	
55		psig	
60 mi	n	psig	
Tubing press	ure: <u>7</u> 00	psig	
Result	Pass	Fail	
Signature of Witness:	Musen	· /	
Simulation of Borner (	Took ()	Rob	

Sundry Number: 41656 API Well Number: 43013338520000



### **Daily Activity Report**

### Format For Sundry STATE 12-16-9-16 6/1/2013 To 10/30/2013

8/14/2013 Day: 1

Conversion

Nabors #1608 on 8/14/2013 - MIRUSU, pull rods - spot in rig and RU hotoiler pumped down 60 bbls down casing, RD horse head, pick up on rods, unscrew stuffing. Box (all threads on stuffing box are stripped off). Unseat rod pump, pulled 15 over, lay down polish rod and shut rattagon on rods, hot oiler flushed rods w/40 bbls. SOFT SEAT RODS, BREAK DOWN FLOW TEE, HOTOILER FILLED TBG W/ 25 BBLS, ADUSTED POP OFF VALVE ON TRUCK, PRESSURE TEST TBG TO 3000 PSI (GOOD TEST). STARTED LAYING DOWN RODS WHEN GUIDES STARTED BUSTING OF IN THE FLOW TEE AND GOT RODS STUCK, FREE UP RODS, REMOVED FLOW TEE AND REPLACED W/ 2' PUP JT . LAID DOWN 100 3/4 4 PERS, 97 3/4 SLICKS, 20 3/4 4 PERS AND 6 K BARS AND LAY DOWN PUMP. STOPED AND FLUSHED RODS W/ 20 BBLS HALF WAY THROUGH .

Daily Cost: \$0

**Cumulative Cost: \$18,350** 

8/15/2013 Day: 2

Conversion

Nabors #1608 on 8/15/2013 - POOH W/ 128 JTS OF 2 7/8 J55 TBG AND BREAK EVERY COLLAR AND CLEAN AND APPLY GREEN DOPE. TALLY TBG. - HOTOILER FLUSHED TBG W/ 40 BBLS, TIE BACK TO SINGLE LINE, CHANGE OVER FOR TBG, N/D B-1 FLANGE (TBG ANCOR NOT SET), N/U BOPS, R/U WORK FLOOR, TIE BACK TO DOUBLE LINE.POOH W/ 128 JTS OF 2 7/8 J55 TBG AND BREAK EVERY COLLAR AND CLEAN AND APPLY GREEN DOPE. TALLY TBG.

Daily Cost: \$0

Cumulative Cost: \$26,538

8/16/2013 Day: 3

Conversion

Nabors #1608 on 8/16/2013 - P/U SANDLINE, MAKE UP 2" OVER SHOT TIH TO PSN AND FISH STANDING VALVE AND LAY DOWN SANDLINE - TIE BACK SINGLE LINE, R/D WORK FLOOR, N/D BOPS, LAND WELL ON B-1 FLANGE W/ 8' PUP JT BELOW WELL HEAD. WAIT ON FRESH WATERITL BROUGHT IN 130 BBLS OF FRESH, HOTOILER LOADED 60 BBLS AND MIXED PKR FLUID, PUMPED FLUID DOWN CSG, SET PKR AND N/U NEW 3K INJECTION TREE. TIGHTEN DOWN WELL HEAD, HOTOILER FILLED CSG W/ 50 BBLS, PRESSURE CSG TO 1400 PSI. START PRESSURE TEST @ 12:45 W/ 1400 PSI. 0 LOSS IN 30 MINUTES

Daily Cost: \$0

**Cumulative Cost:** \$31,914

8/19/2013 Day: 4

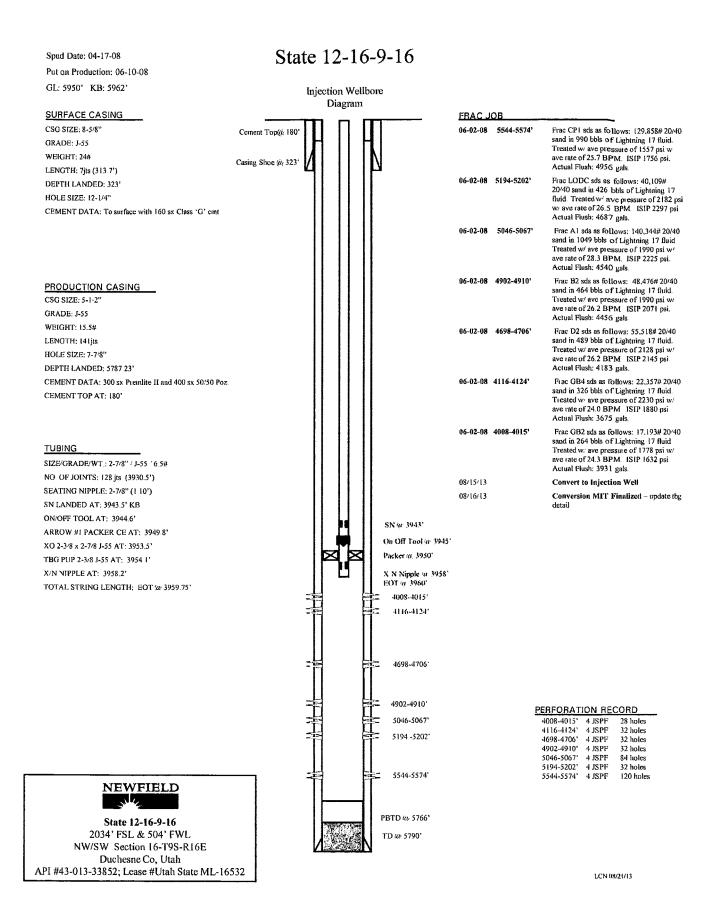
Conversion

Rigless on 8/19/2013 - Condcut initial MIT - On 08/15/2013 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 08/16/2013 the casing was pressured up to 1200 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 200 psig during the test. There was a State representative available to witness the test - Chris Jensen. **Finalized** 

Daily Cost: \$0

**Cumulative Cost:** \$62,826

Pertinent Files: Go to File List





## State of Utah

### DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA

Division Director

### UNDERGROUND INJECTION CONTROL PERMIT

Cause No. UIC-380

Operator:

Newfield Production Company

Well:

State 12-16-9-16

Location:

Section 16, Township 9 South, Range 16 East

County:

Duchesne

API No.:

43-013-33852

Well Type:

Enhanced Recovery (waterflood)

### Stipulations of Permit Approval

- Approval for conversion to Injection Well issued on April 19, 2012 1.
- Maximum Allowable Injection Pressure: 1,606 psig 2.
- Maximum Allowable Injection Rate: (restricted by pressure limitation) 3.
- Injection Interval: Green River Formation (3,957' 5,766') 4.
- Any subsequent wells drilled within a 1/2 mile radius of this well shall have 5. production casing cement brought up to or above the top of the unitized interval for the Greater Monument Butte Unit.

Approved by:

ciate Director

JR/MLR/js

cc: Bruce Suchomel, Environmental Protection Agency

Bureau of Land Management, Vernal

Eric Sundberg, Newfield Production Company, Denver

Newfield Production Company, Myton

**Duchesne County** 

Well File

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Sundry Number: 43992 API Well Number: 43013338520000

	STATE OF UTAH  DEPARTMENT OF NATURAL RESOURCE DIVISION OF OIL, GAS, AND MINI		FORM 9  5.LEASE DESIGNATION AND SERIAL NUMBER:
	ML-16532  6. IF INDIAN, ALLOTTEE OR TRIBE NAME:		
SUNDRY NOTICES AND REPORTS ON WELLS			6. IF INDIAN, ALLOTTEE OR TRIBE NAME.
Do not use this form for pro current bottom-hole depth, I FOR PERMIT TO DRILL form	posals to drill new wells, significantly de reenter plugged wells, or to drill horizont n for such proposals.	eepen existing wells below tal laterals. Use APPLICATION	7.UNIT or CA AGREEMENT NAME: GMBU (GRRV)
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4. LOCATION OF WELL FOOTAGES AT SURFACE: 2034 FSL 0504 FWL			COUNTY: DUCHESNE
QTR/QTR, SECTION, TOWNSH Qtr/Qtr: NWSW Section:	HIP, RANGE, MERIDIAN: 16 Township: 09.0S Range: 16.0E Meridi	an: S	STATE: UTAH
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Date of Spud:	REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	TEMPORARY ABANDON
	☐ TUBING REPAIR	VENT OR FLARE	WATER DISPOSAL
DRILLING REPORT Report Date:	water shutoff	SI TA STATUS EXTENSION	APD EXTENSION
·	WILDCAT WELL DETERMINATION	OTHER	OTHER:
12 DESCRIPE PROPOSED OR	COMPLETED OPERATIONS. Clearly show al	I pertinent details including dates	denths, volumes, etc.
1	erence well was put on injection		Accepted by the
	10/18/2013.		Utah Division of Oil, Gas and Mining
			Date: November 20, 2013
			By: Boogill
NAME (DI EASE DOINT)	PHONE NUMBE	R TITLE	
NAME (PLEASE PRINT) Lucy Chavez-Naupoto	435 646-4874	Water Services Technician	
SIGNATURE N/A		DATE 10/21/2013	